REMEDIAL ACTION WORK PLAN

440 WASHINGTON STREET
New York, NY 10013
Block 223, Lots 13 and 15

CEQR # 06DCP067M

VCP Site No. 16CVCP003M

Prepared For:

270 West Street, LLC
268 West Street, 5th Floor
New York, NY 10013

Prepared By:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001

September 2015

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LANGAN

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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AS/SVE	Air Sparging/Soil Vapor Extraction
BOA	Brownfield Opportunity Area
CAMP	Community Air Monitoring Plan
C/D	Construction/Demolition
COC	Certificate of Completion
CQAP	Construction Quality Assurance Plan
CSOP	Contractors Site Operation Plan
DCR	Declaration of Covenants and Restrictions
ECs/ICs	Engineering and Institutional Controls
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
VCA	Voluntary Cleanup Agreement
MNA	Monitored Natural Attenuation
NOC	Notice of Completion
NYC VCP	New York City Voluntary Cleanup Program
NYC DEP	New York City Department of Environmental Protection
NYC DOHMH	New York State Department of Health and Mental Hygiene
NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
ORC	Oxygen-Release Compound
OSHA	United States Occupational Health and Safety Administration

PE	Professional Engineer
PID	Photo Ionization Detector
QEP	Qualified Environmental Professional
QHHEA	Qualitative Human Health Exposure Assessment
RAOs	Remedial Action Objectives
RAR	Remedial Action Report
RAWP	Remedial Action Work Plan or Plan
RCA	Recycled Concrete Aggregate
RD	Remedial Design
RI	Remedial Investigation
RMZ	Residual Management Zone
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SVOC	Semi-Volatile Organic Compound
USGS	United States Geological Survey
UST	Underground Storage Tank
VOC	Volatile Organic Compound

CERTIFICATION

I, Jason J. Hayes, am currently a registered professional engineer licensed by the State of New York. I performed professional engineering services and had primary direct responsibility for designing the remedial program for the 440 Washington Street site, site number 16CVCP003M. I certify the following:

- I reviewed this document, to which my signature and seal are affixed.
- Engineering Controls developed for this remedial action were designed by me or a person under my direct supervision and were designed to achieve the goals established in this Remedial Action Work Plan (RAWP) for this site.
- The Engineering Controls to be constructed during this remedial action are accurately reflected in the text and drawings of the RAWP and are of sufficient detail to enable proper construction.
- This RAWP has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. This RAWP also has a plan for importation of all soil, fill and other material from off-site that is in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

_____

Name

_____

NYS PE License Number

_____

Signature

PE Stamp

_____

Date

EXECUTIVE SUMMARY

270 West Street, LLC has enrolled in the New York City Voluntary Cleanup Program (NYCVCP) to investigate and remediate a site located at 440 Washington Street in New York, New York. A remedial investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use, complies with applicable environmental standards, criteria and guidance, and conforms with applicable laws and regulations.

Site Location and Background

The site is located at 440 Washington Street in the Tribeca neighborhood in Manhattan, New York, and is identified as Block 223, and portions of Lots 13 and 15 on the NYC Tax Map. Figure 1 shows the site location. The site is 8,065 square feet and is bounded by Desbrosses Street followed by a newly constructed multi-story mixed-use (residential and commercial) building to the north; a four-story mixed-use (residential and commercial) building to the south; Washington Street followed by four multi-story mixed-use (residential and commercial) buildings and a three-story industrial and manufacturing building to the east; and a construction site for the 268 West Street development project to the west. A map of the site boundary is shown in Figure 2. The site is currently vacant and used for temporary parking and materials and equipment staging for the adjacent 268 West Street construction project. The site is covered by a concrete slab (former building foundation) with the exception of the northern portion of Lot 13, which contains a former cellar filled in with demolition debris.

Summary of Redevelopment Plan

The proposed development project consists of an 11-story mixed-use commercial and residential building with a partial cellar, ground level parking, and restaurant space. The northern portion of the site will be excavated to a depth of about 12 feet below ground surface (bgs) to accommodate the proposed basement, with some deeper excavation required for the elevator pit and foundation elements. The slab-on-grade (southern) portion of the site will be excavated to a depth of about 5 feet bgs with some deeper excavation for foundation elements and removal of the lead and copper hotspots. The ground floor will contain a parking lot for eight cars, a lobby, and a restaurant. The remaining floors will be used for residential apartments, with a community room on the 10th floor. The 11th floor will consist of a roof bulkhead. Excavation of about 2,600 cubic yards (cy) of soil, accompanied by dewatering, is anticipated to facilitate construction. The proposed development plans are included as Appendix A.

Summary of Surrounding Property

The site is located in an area characterized by multi-story, residential, and commercial buildings in a zoning district designated for mixed commercial, residential and manufacturing uses. The site is bounded by Desbrosses Street followed by a newly constructed multi-story mixed use (residential and commercial) building to the north, a four-story, mixed use (residential and commercial) building to the south, Washington Street followed by four multi-story mixed use (residential and commercial) buildings and a 3-story industrial and manufacturing building to the east, and a construction site for the 268 West Street development project to the west. Adjacent and surrounding property uses are summarized in the table below.

DIRECTION	ADJOINING PROPERTIES	SURROUNDING PROPERTIES
North	Desbrosses Street, followed by a multi-story commercial and residential building with a café on the 1st floor	Multi-story mixed us (residential and commercial) buildings and a construction site
East	Washington Street followed by four multi-story mixed use (residential and commercial) buildings and one three-story industrial and manufacturing building	Multi-story residential buildings, a parking lot and auto-repair
South	A four-story mixed use (residential and commercial) building	Vestry Street, Multi-story mixed use (residential and commercial) buildings
West	268 West Street development construction project	West Street, Hudson River Greenway and Hudson River Park

There are no schools, day care facilities or hospitals within 500 feet of the site. A surrounding land use map is presented as Figure 3.

Summary of Past Uses and Areas of Concern

Past uses of the site are based on review of Sanborn Maps, Building Department records and City Directories and are documented in Langan's August 28, 2015 Remedial Investigation Report (RIR).

The following is a summary of past uses of the site:

Lot 13

- A mahogany and veneer yard, a residence, store, and office (1894-1905)
- A chemical works (1920)
- A drug company (1927)
- A dowel company (1927)
- A chemical manufacturer and a wood products warehouse (1950-1977)
- A garage and a five-story residential building (1968-2005)

Lot 15

- A mahogany and veneer yard (1894-1905)
- A garage with two gasoline tanks (1950-1968)
- A building of unidentified use (1976-2005)
- A parking company (2013)

The Areas of Concern (AOC) identified for the site include:

1. Historical Site Use: Historical uses of the site include a mahogany and veneer yard (1894-1905), a chemical works (1920), a drug company (1927), a dowel company (1927), a chemical manufacturer and a wood products warehouse (1950-1977), and garages with gasoline tanks (1950-2005). Leaks or spills of petroleum products, solvents, and/or hazardous materials resulting from these uses may have adversely impacted soil, groundwater and/or soil vapor beneath the site.

2. Suspected Underground Storage Tanks (UST): Historical land use (Sanborn) maps from 1950 to 1968 show two gasoline USTs at the eastern site boundary, on Lot 15. Historical releases of gasoline may have impacted soil, soil vapor and/or groundwater at the site.

3. Historical Fill: According to historical geologic maps, the original shoreline of the Hudson River extended further eastward, beyond the site. The shoreline moved westward in the 1800s, by infilling with imported fill material. Historical fill typically contains contaminants, particularly metals and semivolatile organic compounds (SVOCs), at concentrations that exceed applicable state and/or federal standards and may also contain hazardous concentrations of metals.

4. Lead Hotspot: During the subsurface investigation performed by Langan in April 2015, lead was identified at a concentration of 3,100 milligrams per kilogram (mg/kg) in soil boring SB03 (advanced in the southeastern portion of the site) at a depth of 4 to 5 feet bgs.

5. Copper Hotspot: During the subsurface investigation performed by Langan in April 2015, copper was identified at a concentration of 42,000 mg/kg in soil boring SB05 (advanced in the central portion of the site) at a depth of 5 to 6 feet bgs.

Summary of the Work Performed Under the Remedial Investigation

Langan performed the following scope of work, which is outlined in the RIR:

1. Site inspection and geophysical survey to identify potential USTs, utilities, and subsurface obstructions that may impede boring advancement;

2. Advancement of 13 soil borings and the collection of 22 soil samples for laboratory analyses, including one duplicate sample;

3. Advancement of eight delineation soil borings at the lead and copper hotspot areas, and the collection of eight delineation soil samples for laboratory analyses;

4. Installation of four permanent groundwater monitoring wells and the collection of five groundwater samples for laboratory analysis, including one duplicate sample;

5. Installation of four soil vapor probes and the collection of five vapor samples for laboratory analysis, including one ambient air sample; and

6. Completion of a well survey to determine groundwater monitoring well elevations and to determine the direction of groundwater flow at the site.

Summary of Findings of Remedial Investigation

1. Elevation of the property ranges from el. 8.40[1] to el. 9.05 feet.

2. Depth to groundwater ranges from 8.26 feet bgs (el. -0.52) to 9.63 feet bgs (el. -1.4) at the site.

3. Groundwater flow is generally from west to east beneath the site.

4. The stratigraphy of the site, from the surface down, consists of 5 to 13.5 feet of historic fill underlain by native sand, silt, and organic silt. The top of the bedrock surface was observed during a geotechnical investigation at the adjacent property at about 89 feet bgs (about el. -80).

5. The geophysical survey did not identify anomalies consistent with USTs.

6. Soil sample results were compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCO) and Restricted Residential Use (RRU) SCOs.

    a. VOC - Concentrations of nine volatile organic compounds (VOC) exceeded their UU SCOs in seven soil samples collected, including benzene (max concentration 0.33 mg/kg), toluene (max concentration 1.6 mg/kg), ethylbenzene (max concentration 6.9 mg/kg), total xylenes (max concentration 36 mg/kg), naphthalene (max concentration 210 mg/kg), n-propylbenzene (max concentration 9.4 mg/kg), 1,3,5-trimethylbenzene (max concentration 30 mg/kg), acetone (max concentration 0.16 mg/kg), and 1,2,4-trimethylbenzene (max concentration 86 mg/kg). Of the nine VOCs whose concentrations exceeded their respective UU SCOs, the concentration of two VOCs, naphthalene and 1,2,4-trimethylbenzene, also exceeded their Part 375 Restricted Use Restricted-Residential Use (RRU) SCOs.

    b. SVOC - Concentrations of 10 SVOCs including fluoranthene (max concentration 300 mg/kg), benzo(a)anthracene (max concentration 130 mg/kg), benzo(a)pyrene (max concentration 100 mg/kg),

[1] All elevations provided throughout this report are referenced to the North American Vertical Datum of 1988 (NAVD88) unless otherwise noted.

benzo(b)fluoranthene (max concentration 120 mg/kg), benzo(k)fluoranthene (max concentration 45 mg/kg), chrysene (max concentration 120 mg/kg), phenanthrene (max concentration 350 mg/kg), dibenzo(a,h)anthracene (max concentration 14 mg/kg), indeno(1,2,3-cd)pyrene (max concentration 59 mg/kg in SB06_05-1.0), and pyrene (max concentration 260 mg/kg), exceeded their respective RRU SCOs in six soil samples collected.

c. Metals - Metals including arsenic (max concentration 130 mg/kg), cadmium (max concentration 4.8 mg/kg), copper (max concentration of 42,000 mg/kg), lead (max concentration of 3,100 mg/kg), mercury (max concentration of 1.7 mg/kg), zinc (max concentration of 4,000 mg/kg) exceeded their respective RRU SCOs.

d. Pesticides - Concentrations of three pesticides exceeded their respective UU SCOs in five soil samples collected, including 4-4'-DDE (max concentration of 0.00689 mg/kg), 4,4'-DDD (max concentration of 0.00372 mg/kg), and 4-4'-DDT (max concentration of 0.00486 mg/kg).

e. PCBs/Herbicides - Concentrations of polychlorinated biphenyls (PCB) and herbicides did not exceed their respective UU and RRU SCOs in any of the soil samples collected during the RI.

7. Groundwater samples were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards for Class GA groundwater (AWQS).

a. SVOC - Concentrations of six SVOCs exceeded NYSDEC TOGS AWQS GA standards including chrysene (max concentration of 0.25 micrograms per liter [µg/L]), benzo(a)anthracene (max concentration of 0.26 (µg/L), benzo(a)pyrene (max concentration of 0.28 µg/L), benzo(b)fluoranthene (max concentration of 0.3 µg/L), benzo(k)fluoranthene (max concentration of 0.12 µg/L), indeno(1,2,3-cd)pyrene (max concentration of 0.15 µg/L).

b. Metals - Dissolved concentrations of four metals exceeded their respective NYSDEC TOGS AWQS GA standards including iron (max concentration of 8,630 µg/L), magnesium (max concentration of 179,000 µg/L), manganese (max concentration of 3,861 µg/L), sodium (max concentration of 641,000 µg/L).

c. VOCs, PCBs, and pesticides were not identified at concentrations exceeding their respective TOGS AWQS in the RI groundwater samples.

8. Soil vapor sample results were compared to the decision matrices established by the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006. Carbon tetrachloride and trichloroethylene were not detected in any of the soil vapor samples collected during the RI. Based on the concentrations of 1,1,1-trichloroethane (max concentration of 1.64 micrograms per cubic meter [$\mu g/m^3$]), and tetrachloroethene (PCE, maximum concentration of 25.1 $\mu g/m^3$), the decision matrices recommend a range from "no further action" to "take reasonable and practical actions to identify sources and reduce exposures" to these compounds. However, a complete comparison cannot be made to the matrix considering there are no structures on the site and indoor air samples cannot be collected. Concentrations of total benzene, ethylbenzene, toluene, and xylene (BTEX) detected in soil vapor samples ranged from 20.23 to 166.44 $\mu g/m^3$. The highest reported concentrations were for isopropanol (489 $\mu g/m^3$), ethanol (431 $\mu g/m^3$), and acetone (228 $\mu g/m^3$). These compounds are common cleaning agents for laboratory equipment, and their reported concentration is likely attributed to laboratory interference.

Summary of the Remedial Action

The proposed remedial action achieves protection of public health and the environment for the intended use of the property. The proposed remedial action achieves all of the remedial action objectives established for the project; addresses applicable standards, criterion, and guidance; is effective in both the short-term and long-term; reduces mobility, toxicity and volume of contaminants; is cost effective and implementable; and uses standards methods that are well established in the industry.

The proposed remedial action consists of:

1. Preparation of a Community Protection Statement and implementation of a Citizen Participation Plan

2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds

3. Establishment of Track 4 soil cleanup objectives (SCO) - Collection and analysis of documentation samples to determine the performance of the remedy with respect to attainment of Track 4 SCOs

4. Site mobilization involving site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas

5. Completion of a Waste Characterization Study prior to excavation activities - Waste characterization soil samples will be collected at a frequency dictated by disposal facilities.

6. Excavation and removal of soil and fill exceeding Track 4 SCOs - The northern portion of the site will be excavated to a depth of about 12 feet bgs to accommodate the proposed basement, with some deeper excavation required for the elevator pit and foundation elements. The slab-on-grade (southern) portion of the site will be excavated to a depth of about 5 feet bgs with some deeper excavation for foundation elements and removal of the lead and copper hotspots.

7. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID), and appropriate segregation of excavated media on-site

8. Dewatering in compliance with city, state, and federal laws and regulations - Extracted groundwater will either be containerized for off-site licensed or permitted disposal or will be treated under a permit from New York City Department of Environmental Protection (NYCDEP) to meet pretreatment requirements prior to discharge to the sewer system.

9. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials

10. Removal of any USTs identified during development and closure of any petroleum spills discovered in compliance with applicable local, State and Federal laws and regulations

11. Transportation and off-site disposal of soil/fill material at licensed or permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan - Sampling and analysis of excavated media as required by disposal facilities and appropriate segregation of excavated media on-site

12. Installation of a waterproofing membrane/vapor barrier system beneath the building slab and outside foundation sidewalls below grade, and beneath the slab-on-grade parts of the building that are not mechanically ventilated or open to outside air. The waterproofing membrane/vapor barrier will consist of Grace Preprufe 300R for

horizontal installations, and Grace Preprufe 160R or Bituthene 4000 for vertical installations, or an alternative OER-approved vapor barrier product that would provide similar vapor mitigation and waterproofing protection. Grace Preprufe 300R is a 45-mil thick high-density polyethylene (HDPE) film, and Preprufe 160R is a 30-mil thick HDPE film. Bituthene is a 60-mil thick self-adhesive HDPE film. In the slab-on-grade areas of the building that are not mechanically vented or open to outside air, Grace Florprufe 120 will be used, or an alternative OER-approved vapor barrier product that would provide similar vapor mitigation protection. Grace Florprufe 120 is a 20-mil thick polyolefin film. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration. The waterproofing membrane/vapor barrier system is an engineering control (EC) for the remedial action. The remedial engineer will certify in the Remedial Action Report (RAR) that the vapor barrier system was designed and properly installed to mitigate soil vapor migration into the building.

13. Construction and maintenance of an engineered composite cover consisting of concrete and asphalt pavement and a concrete building to prevent human exposure to residual soil/fill remaining under the site

14. Construction and operation of an at-grade-level parking garage with high volume air exchange in conformance with NYC Building Code

15. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations

16. Implementation of stormwater pollution prevention measures in compliance with applicable laws and regulations

17. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations

18. Submission of an RAR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the site boundaries, lists any changes from this RAWP, and describes all ECs and institutional controls (IC) to be implemented at the site

19. Submission of an approved Site Management Plan (SMP) in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of ECs and ICs and reporting at a specified frequency

20. The property will continue to be registered with an E-Designation by the NYC Buildings Department (NYCDOB) - Establishment of ECs and ICs in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP - ICs will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER approval.

COMMUNITY PROTECTION STATEMENT

OER created the New York City Voluntary Cleanup Program (NYCVCP) to provide governmental oversight for the cleanup of contaminated property in NYC. This Remedial Action Work Plan ("cleanup plan") describes the findings of prior environmental studies that show the location of contamination at the Site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides protection for neighboring communities. This cleanup plan also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Project Information:

- Site Name: 440 Washington Street
- Site Address: 440 Washington Street, New York, New York
- NYC Voluntary Cleanup Program Project Number: 16CVCP003M

Project Contacts:

- OER Project Manager: Samantha Morris, 212-341-2082
- Site Project Manager: Angelo Ponte, (212) 274-1555
- Site Safety Officer: William Bohrer, (212) 479-5533
- Online Document Repository: http://www.nyc.gov/html/oer/html/repository/RManhattan.shtml

Remedial Investigation and Cleanup Plan. Under the NYCVCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage; sample and test soil, groundwater and soil vapor; and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the site is the performance of a study to find all of the ways that people might come in contact with contaminants at the site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan. This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety and Health Administration. This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated site safety coordinator to implement the CHASP. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The site safety coordinator is William Bohrer and can be reached at (212) 579-5400.

Worker Training. Workers participating in cleanup of hazardous or potentially hazardous levels of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan (CAMP). Results will be regularly reported to the OER. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these areas, please contact the onsite Project Manager Brian Gochenaur at (212) 479-5400 or NYC OER Project Manager Samantha Morris at (212) 341-2082.

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report. This report will be submitted to the OER and will be thoroughly reviewed.

Stormwater Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings (NYCDOB) construction code requirements or according to specific variances issued by that agency. For this cleanup project, the hours of operation will conform to requirements of the NYCDOB.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYCVCP, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager Angelo Ponte at (212) 274-1555, the NYC OER Project Samantha Morris at (212) 341-2082, or call 311 and mention the site is in the NYCVCP.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYCDOB regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and qualified environmental professional. In addition to sampling and chemical testing of soil on the site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly

replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-site. Waste materials will not be brought onto the site. Trucks entering the site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the site. Trucks will be cleaned at a truck inspection station on the property before leaving the site.

Housekeeping. Locations where trucks enter or leave the site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the site will be instructed not to stop or idle in the local neighborhood.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review in the public document repositories located at:

New York Public Library - Jefferson Market Library
425 Avenue of the Americas
New York, NY, 10011
(212) 243-4334
Library Manager: Frank Collerius
Hours (Call to verify):
Monday, Wednesday: 10:00 AM to 8:00 PM

Tuesday, Thursday:	11:00 AM to 6:00 PM
Friday, Saturday:	10:00 AM to 5:00 PM
Sunday:	Closed

Long-Term Site Management. To provide long-term protection after the cleanup is complete, the property owner may be required to comply with an ongoing Site Management Plan (SMP) that calls for continued inspection of protective controls, such as site covers. The SMP is evaluated and approved by the NYC OER. Requirements that the property owner must comply with are defined in the property's deed or established through a city environmental designation. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 INTRODUCTION

270 West Street, LLC has enrolled in the New York City Voluntary Cleanup Program (NYCVCP) to investigate and remediate a property located at 440 Washington Street in the Tribeca section of Manhattan, New York (the "site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations.

1.1 Site Location and Current usage

The site is located at 440 Washington Street in the Tribeca neighborhood in Manhattan, New York, and is identified as Block 223, and portions of Lots 13 and 15 on the NYC Tax Map. Figure 1 shows the site location. The site is located on the northeast portion of the city block bounded by Desbrosses Street to the north, Washington Street to the east, Vestry Street to the south and West Street to the west. The 8,065 square feet site is currently vacant and used for temporary parking and materials and equipment staging for the adjacent 268 West Street construction project. The site is covered by a concrete slab (former building foundation) with the exception of the northern portion of Lot 13, which contains a former cellar filled in with demolition debris.

1.2 Proposed Redevelopment Plan

The proposed development project consists of an 11-story mixed-use commercial and residential building with a partial cellar, ground level parking, and restaurant space. The northern portion of the site will be excavated to a depth of about 12 feet below ground surface (bgs) to accommodate the proposed basement, with some deeper excavation required for the elevator pit and foundation elements. The slab-on-grade (southern) portion of the site will be excavated to a depth of about 5 feet bgs with some deeper excavation for foundation elements and removal of the lead and copper hotspots. The ground floor will contain a parking lot for eight cars, a lobby, and a restaurant. The remaining floors will be used for residential apartments, with a community room on the 10th floor. The 11th floor will consist of a roof bulkhead. Excavation of about 2,600 cubic yards (cy) of soil, accompanied by dewatering, is

anticipated to facilitate construction. The proposed development plans are included as Appendix A.

1.3 Description of Surrounding Property

The site is located in an area characterized by multi-story, residential, and commercial buildings in a zoning district designated for mixed commercial, residential and manufacturing uses. The site is bounded by Desbrosses Street followed by a newly constructed multi-story mixed use (residential and commercial) building to the north, a four-story, mixed use (residential and commercial) building to the south, Washington Street followed by four multi-story mixed use (residential and commercial) buildings and a 3-story industrial and manufacturing building to the east, and a construction site for the 268 West Street development project to the west. Adjacent and surrounding property uses are summarized in the table below.

DIRECTION	ADJOINING PROPERTIES	SURROUNDING PROPERTIES
North	Desbrosses Street, followed by a multi-story commercial and residential building with a café on the 1st floor	Multi-story mixed us (residential and commercial) buildings and a construction site
East	Washington Street followed by four multi-story mixed use (residential and commercial) buildings and one three-story industrial and manufacturing building	Multi-story residential buildings, a parking lot and auto-repair
South	A four-story mixed use (residential and commercial) building	Vestry Street, multi-story mixed use (residential and commercial) buildings
West	268 West Street development construction project	West Street, Hudson River Greenway and Hudson River Park

There are no schools, day care facilities or hospitals within 500 feet of the site.

Figure 3 shows the surrounding land usage.

1.4 Remedial Investigation

A remedial investigation (RI) was performed and the results are documented in a companion document called "*Remedial Investigation Report, 440 Washington Street*", dated August 28th, 2015 (RIR). The RIR is provided as Appendix C.

Summary of Past Uses of Site and Areas of Concern

Past uses of the site are based on review of Sanborn Maps, Building Department records and City Directories and are documented in Langan's August 28, 2015 RIR.

The following is a summary of past uses of the site:

Lot 13

- A mahogany and veneer yard, a residence, store, and office (1894-1905)
- A chemical works (1920)
- A drug company (1927)
- A dowel company (1927)
- A chemical manufacturer and a wood products warehouse (1950-1977)
- A garage and a five-story residential building (1968-2005)

Lot 15

- A mahogany and veneer yard (1894-1905)
- A garage with two gasoline tanks (1950-1968)
- A building of unidentified use (1976-2005)
- A parking company (2013)

The Areas of Concern (AOC) identified for the site include:

1. Historical Site Use: Historical uses of the site include a mahogany and veneer yard (1894-1905), a chemical works (1920), a drug company (1927), a dowel company (1927), a chemical manufacturer and a wood products warehouse (1950-1977), and garages with gasoline tanks (1950-2005). Leaks or spills of petroleum products, solvents, and/or

hazardous materials resulting from these uses may have adversely impacted soil, groundwater and/or soil vapor beneath the site.

2. Suspected Underground Storage Tanks (UST): Historical land use (Sanborn) maps from 1950 to 1968 show two gasoline USTs at the eastern site boundary, on Lot 15. Historical releases of gasoline may have impacted soil, soil vapor and/or groundwater at the site.

3. Historical Fill: According to historical geologic maps, the original shoreline of the Hudson River extended further eastward, beyond the site. The shoreline moved westward in the 1800s, by infilling with imported fill material. Historical fill typically contains contaminants, particularly metals and semivolatile organic compounds (SVOCs), at concentrations that exceed applicable state and/or federal standards and may also contain hazardous concentrations of metals.

4. Lead Hotspot: During the subsurface investigation performed by Langan in April 2015, lead was identified at a concentration of 3,100 milligrams per kilogram (mg/kg) in soil boring SB03 (advanced in the southeastern portion of the site), at a depth of 4 to 5 feet bgs.

5. Copper Hotspot: During the subsurface investigation performed by Langan in April 2015, copper was identified at a concentration of 42,000 mg/kg in soil boring SB05 (advanced in the central portion of the site), at a depth of 5 to 6 feet bgs.

Summary of the Work Performed under the Remedial Investigation

Langan performed the following scope of work as documented in the August 28th, 2015 RIR:

1. Site inspection and geophysical survey to identify potential USTs, utilities, and subsurface obstructions that may impede boring advancement;

2. Advancement of 13 soil borings and the collection of 22 soil samples for laboratory analyses, including one duplicate sample;

3. Advancement of eight delineation soil borings at the lead and copper hotspot areas, and the collection of eight delineation soil samples for laboratory analyses;

4. Installation of four permanent groundwater monitoring wells and the collection of five groundwater samples for laboratory analysis, including one duplicate sample;

5. Installation of four soil vapor probes and the collection of five vapor samples for laboratory analysis, including one ambient air sample; and

6. Completion of a well survey to determine groundwater monitoring well elevations and to determine the direction of groundwater flow at the site.

Summary of Environmental Findings

1. Elevation of the property ranges from approximately el. 8.40[2] to el. 9.05 feet.

2. Depth to groundwater ranges from approximately 8.26 feet bgs (el. -0.52) to 9.63 feet bgs (el. -1.4) at the site.

3. Groundwater flow is generally from west to east beneath the site.

4. The stratigraphy of the site, from the surface down, consists of 5 to 13.5 feet of historical fill underlain by native sand, silt, and organic silt. The top of the bedrock surface was observed during a geotechnical investigation at the adjacent property at about 89 feet bgs (about el. -80).

5. The geophysical survey did not identify anomalies consistent with USTs.

6. Soil sample results were compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCO) and Restricted Residential Use (RRU) SCOs.

    a. VOC - Concentrations of nine volatile organic compounds (VOC) exceeded their UU SCOs in seven soil samples collected, including benzene (max concentration 0.33 mg/kg, toluene (max concentration 1.6 mg/kg), ethylbenzene (max concentration 6.9 mg/kg), total xylenes (max concentration 36 mg/kg), naphthalene (max concentration 210 mg/kg), n-propylbenzene (max concentration 9.4 mg/kg), 1,3,5-trimethylbenzene (max concentration 30 mg/kg), acetone (max concentration 0.16 mg/kg), and 1,2,4-trimethylbenzene (max concentration 86 mg/kg). Of the nine VOCs whose concentrations exceeded their respective UU SCOs, the concentration of

[2] All elevations provided throughout this report are referenced to the North American Vertical Datum of 1988 (NAVD88) unless otherwise noted.

two VOCs, naphthalene and 1,2,4-trimethylbenzene, also exceeded their Part 375 RRU SCOs.

b. SVOC - Concentrations of 10 SVOCs including fluoranthene (max concentration 300 mg/kg), benzo(a)anthracene (max concentration 130 mg/kg), benzo(a)pyrene (max concentration 100 mg/kg), benzo(b)fluoranthene (max concentration 120 mg/kg), benzo(k)fluoranthene (max concentration 45 mg/kg), chrysene (max concentration 120 mg/kg), phenanthrene (max concentration 350 mg/kg), dibenzo(a,h)anthracene (max concentration 14 mg/kg), indeno(1,2,3-cd)pyrene (max concentration 59 mg/kg in SB06_05-1.0), and pyrene (max concentration 260 mg/kg), exceeded their respective RRU SCOs in six soil samples collected.

c. Metals - Metals including arsenic (max concentration 130 mg/kg), cadmium (max concentration 4.8 mg/kg), copper (max concentration of 42,000 mg/kg), lead (max concentration of 3,100 mg/kg), mercury (max concentration of 1.7 mg/kg), zinc (max concentration of 4,000 mg/kg) exceeded their respective RRU SCOs.

d. Pesticides - Concentrations of three pesticides exceeded their respective UU SCOs in five soil samples collected, including 4-4'-DDE (max concentration of 0.00689 mg/kg), 4,4'-DDD (max concentration of 0.00372 mg/kg), and 4-4'-DDT (max concentration of 0.00486 mg/kg).

e. PCBs/Herbicides - Concentrations of polychlorinated biphenyls (PCB) and herbicides did not exceed their respective UU and RRU SCOs in any of the soil samples collected during the RI.

7. Groundwater samples were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards for Class GA groundwater (AWQS).

a. SVOC - Concentrations of six SVOCs exceeded NYSDEC TOGS AWQS GA standards including chrysene (max concentration of 0.25 micrograms per liter [µg/L]), benzo(a)anthracene (max concentration of 0.26 (µg/L), benzo(a)pyrene (max concentration of 0.28 µg/L), benzo(b)fluoranthene (max concentration of 0.3 µg/L), benzo(k)fluoranthene (max concentration of 0.12 µg/L), indeno(1,2,3-cd)pyrene (max concentration of 0.15 µg/L).

b. Metals - Dissolved concentrations of four metals exceeded their respective NYSDEC TOGS AWQS GA standards including iron (max concentration of 8,630 µg/L), magnesium (max concentration of 179,000 µg/L), manganese (max concentration of 3,861 µg/L), and sodium (max concentration of 641,000 µg/L).

c. VOCs, PCBs, and pesticides were not identified at concentrations exceeding their respective TOGS AWQS in the RI groundwater samples.

8. Soil vapor sample results were compared to the decision matrices established by the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion, October 2006. Carbon tetrachloride and trichloroethylene were not detected in any of the soil vapor samples collected during the RI. Based on the concentrations of 1,1,1-trichloroethane (max concentration of 1.64 micrograms per cubic meter [µg/m3]), and tetrachloroethene (PCE, maximum concentration of 25.1 µg/m3), the decision matrices recommend a range from "no further action" to "take reasonable and practical actions to identify sources and reduce exposures" to these compounds. However, a complete comparison cannot be made to the matrix considering there are no structures on the site and indoor air samples cannot be collected. Concentrations of total benzene, ethylbenzene, toluene, and xylene (BTEX) detected in soil vapor samples ranged from 20.23 to 166.44 µg/m3. The highest reported concentrations were for isopropanol (489 µg/m3), ethanol (431 µg/m3), and acetone (228 µg/m3). These compounds are common cleaning agents for laboratory equipment, and their reported concentrations are likely attributed to laboratory interference.

For more detailed results, consult the RIR. Based on an evaluation of the data and information from the RIR and this RAWP, disposal of hazardous waste is not suspected at this site.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following Remedial Action Objectives (RAO) have been identified for this site:

Groundwater

- Remove contaminant sources causing impact to groundwater
- Prevent direct exposure to contaminated groundwater

Soil

- Prevent direct contact with contaminated soil
- Prevent exposure to contaminants volatilizing from contaminated soil
- Prevent migration of contaminants that would result in groundwater or surface water contamination

Soil Vapor

- Prevent exposure to contaminants in soil vapor
- Prevent migration of soil vapor into dwelling and other occupied structures

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment, with consideration of the current, intended, and reasonably anticipated future uses of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found in excess of applicable standards, criteria and guidance values (SCG). A remedy is then developed based on the following ten criteria:

1. Protection of human health and the environment;
2. Compliance with SCGs;
3. Short-term effectiveness and impacts;
4. Long-term effectiveness and permanence;
5. Reduction of toxicity, mobility, or volume of contaminated material;
6. Implementability;
7. Cost effectiveness;
8. Community acceptance;
9. Land use; and
10. Sustainability.

As required, a Track 1 UU scenario is evaluated for the remedial action. The following is a detailed description of the alternatives analyzed to address impacted media at the site:

Alternative I is the Track 1 scenario and would include the following remedial actions:

- Selection of 6 NYCRR Part 375 Table 6.8 (a) UU Track 1 SCOs
- Removal of any USTs encountered during development
- Removal of all soil and fill exceeding Track 1 UU SCOs throughout the site and confirmation that Track 1 UU SCOs have been achieved with post-excavation endpoint sampling - If soil and fill containing analytes at concentrations above UU SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building's cellar level and slab-on-grade foundation is complete, additional excavation would be performed to ensure complete removal of soil/ fill that does not meet Track 1 Unrestricted Use SCOs.
- Collection and analysis of six confirmation endpoint samples to determine the performance of the remedy with respect to the SCOs

- Localized dewatering as necessary to accommodate excavation below the groundwater table

- Backfilling of excavated areas to development grade with certified-clean material (meeting UU SCOs), recycled concrete aggregate (RCA) or virgin, native crushed stone

- Development and execution of a construction health and safety plan (CHASP) and community air monitoring plan (CAMP) for the protection of site workers, the general public, and the environment during remediation and construction

- No Engineering Controls (EC) or Institutional Controls (IC) are required for a Track 1 cleanup. Although not considered an EC, the development will include construction and operation of a full-time parking garage that is ventilated in accordance with New York City Mechanical Code. The parking garage will occupy the southern portion of the building, which will consist of slab-on-grade construction. Excavation will extend to about 12 feet bgs within the remainder of the building footprint, and the building slab in this area will be installed within the water table. A waterproofing membrane/vapor barrier will be installed as a foundation waterproofing measure throughout the basement footprint, and along the basement sidewalls. A vapor barrier will also be installed in the areas of the slab-on-grade foundation that are not mechanically ventilated or open to outside air. The waterproofing membrane/vapor barrier and the ventilated parking garage will prevent VOCs from intruding into the building from on- and off-site sources.

Alternative II is a Track 2 scenario and includes the following remedial actions:

- Selection of 6NYCRR Part 375 Table 6.8 (b) RRU Track 2 SCOs

- Excavation and off-site disposal of fill and native soil exceeding the Track 2 RRU SCOs to 12 feet bgs in the northern portion of the site, and to about 5 feet bgs in the southern portion of the site, as shown on Figure 4, and any grossly-impacted soil, if encountered - Some deeper excavations will be required for elevator pits and foundation elements.

- Excavation and disposal of the copper and lead hotspots identified during the RI - Both are located within the area of the slab-on-grade portion of the proposed construction (southern portion of the site). Excavation to remove the copper and lead hotspots will extend to depths of about eight and seven feet bgs, respectively. Soil within the hotspot will be removed to the extent that the remaining material meets the Track 2 RRU SCOs.

- Removal of any USTs encountered during development

- Localized dewatering as necessary to accommodate excavation below the groundwater table

- Collection and analysis of eight documentation samples to document Track 2 RRU SCOs have been met.

- Backfilling of excavated areas to development grade with SCO-compliant material (meeting RRU SCOs), RCA, or virgin, native crushed stone, as needed

- Development and execution of a CHASP and CAMP for the protection of site workers, the general public, and the environment during remediation and construction

- Construction and operation of a full-time parking garage that is ventilated in accordance with New York City Mechanical Code - The parking garage will occupy the southern portion of the building, which will consist of slab-on-grade construction.

- Installation of a waterproofing membrane/vapor barrier to prevent VOC intrusion into site buildings, as an EC - The waterproofing membrane/vapor barrier will function as a waterproofing measure throughout the basement footprint, and along the basement sidewalls. A vapor barrier will also be installed in the areas of the slab-on-grade foundation that are not mechanically ventilated or open to outside air.

- Establishment of use restrictions including prohibitions on the use of groundwater from the site; prohibitions of restricted site uses, such as farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without OER approval

- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of the EC and ICs including the performance of periodic inspections and certification that the controls are performing as they were intended - The SMP will note that the property owner and property owner's successors and assigns must comply with the approved SMP.

- The property will continue to be registered with an E-Designation at the NYC Department of Buildings (NYCDOB).

- Placement of a deed notice to record the ECs/ICs on the deed to ensure that future owners of the Site continue to comply with the SMP, as required

Alternative III is a Track 4 scenario and includes the following remedial actions:

- Establishment of Track 4 Site-Specific SCOs

- Excavation and off-site disposal of fill and native soil exceeding the Track 4 SCOs to 12 feet bgs in the northern portion of the site, and to about 5 feet bgs in the southern portion of the site, as shown on Figure 4, and any grossly-impacted soil, if encountered - Some deeper excavation will be required for elevator pits and foundation elements.

- Excavation and disposal of the copper and lead hotspots identified during the RI - Both are located within the area of the slab-on-grade portion of the proposed construction (southern portion of the site). Excavation to remove the copper and lead hotspots will extend to depths of about eight and seven feet bgs, respectively. Soil within the hotspot will be removed to the extent that the remaining material meets the Track 4 SCOs.

- Removal of any USTs encountered during development

- Localized dewatering as necessary to accommodate excavation below the groundwater table

- Collection and analysis of eight documentation samples to document Track 4 SCOs have been met

- Backfilling of excavated areas to development grade with SCO-compliant material (meeting Track 4 SCOs), RCA, or virgin, native crushed stone, as needed

- Development and execution of a CHASP and CAMP for the protection of site workers, the general public, and the environment during remediation and construction

- Construction and operation of a full-time parking garage that is ventilated in accordance with New York City Mechanical Code - The parking garage will occupy the southern portion of the building, which will consist of slab-on-grade construction.

- Installation of a waterproofing membrane/vapor barrier to prevent VOC intrusion into site buildings, as an EC - The waterproofing membrane/vapor barrier will function as a waterproofing measure throughout the basement footprint, and along the basement sidewalls. The waterproofing membrane/vapor barrier will also be installed in the areas of the slab-on-grade foundation that are not mechanically ventilated or open to outside air.

- Placement of a composite cover system over the entire site to prevent exposure to remaining soil and fill

- Establishment of use restrictions including prohibitions on the use of groundwater from the site; prohibitions of restricted site uses, such as farming or vegetable gardening, to prevent future exposure pathways; and prohibition of a higher level of land use without OER approval

- Establishment of an approved Site Management Plan (SMP) to ensure long-term management of these ECs and ICs including the performance of periodic inspections and certification that the controls are performing as they were intended - The SMP will note that the property owner and property owner's successors and assigns must comply with the approved SMP.

- The property will continue to be registered with an E-Designation at the NYCDOB.

- Placement of a deed notice to record the ECs/ICs on the deed to ensure that future owners of the Site continue to comply with the SMP, as required

3.1 Threshold Criteria

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of ECs or ICs. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative I – The Alternative I remedy would eliminate all pathways of exposure from on-site contaminated media. Remediating the site to Track 1 standards would result in the elimination of all soil that exceeds Track 1 SCOs and groundwater protection standards, thus eliminating potential for direct contact with contaminated soil and historical fill once construction is complete and eliminating the risk of contamination leaching into groundwater. Any USTs encountered would be decommissioned, removed and disposed off-site, and any petroleum-impacted material discovered would be excavated and disposed off-site. The RAOs for public health and environmental protection would be met through the removal of all contaminated media, which would eliminate any possible ingestion, inhalation or dermal contact.

Alternative II – Alternative II would achieve protections of human health and the environment that are comparable to Alternative I by excavating historical fill to a depth of about 12 feet bgs in the northern portion of the site and to a depth of about 5 feet bgs in the remainder of the site, by ensuring that remaining soil and historical fill on-site meets Track 2 RRU SCOs, and by placement of ECs and ICs, including a waterproofing membrane/vapor barrier, and ventilated

parking garage. The composite cover system would prevent direct contact with any remaining on-site soil and historical fill. The waterproofing membrane/vapor barrier and ventilated parking garage would prevent soil vapors from entering the new building. Implementation of ICs and an SMP would ensure that the composite cover system, waterproofing membrane/vapor barrier, and parking garage ventilation system remain intact, operational, and protective. Establishment of Track 2 RRU SCOs would minimize the risk of contamination leaching into groundwater.

Alternative III – Alternative III would achieve protections of human health and the environment that are comparable to Alternative I by excavating historical fill to a depth of about 12 feet bgs in the northern portion of the site and to a depth of about 5 feet bgs in the remainder of the site, by ensuring that remaining soil and historical fill on-site meets Track 4 SCOs, and by placement of ECs and ICs, including a composite cover system, waterproofing membrane/vapor barrier, and ventilated parking garage. The composite cover system would prevent direct contact with any remaining on-site soil and historical fill. The waterproofing membrane/vapor barrier and ventilated parking garage would prevent soil vapors from entering the new building. Implementation of ICs and an SMP would ensure that the composite cover system, waterproofing membrane/vapor barrier, and parking garage remain intact, operational, and protective. Establishment of Track 4 SCOs would minimize the risk of contamination leaching into groundwater.

For each alternative, potential exposure to contaminated soils or groundwater during construction would be minimized by implementing a CHASP, an approved Soil/Materials Management Plan (SMMP), and CAMP. Potential contact with contaminated groundwater after construction is completed would be prevented, as its use is prohibited by city laws and regulations. Infiltration of off-site soil vapors into the buildings would be prevented by installing a waterproofing membrane/vapor barrier below the new building's cellar slab around foundation walls, and within unventilated areas of the slab-on-grade construction. The environment would be protected by implementing and enforcing the selected soil erosion plans. The SMMP is included as Appendix E, and the CHASP and CAMP are provided as Appendix F.

3.2 Balancing Criteria

Compliance with Standards, Criteria and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance.

Alternative I would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to achieve Track UU SCOs and Groundwater Protection

Standards. Compliance with SCGs for soil vapor would also be achieved by operating a ventilated garage, construction of a building slab within the groundwater table, and by installing a waterproofing membrane/vapor barrier below the building foundation slab and continuing the waterproofing membrane/vapor barrier around foundation walls, as part of development. The waterproofing membrane/vapor barrier would also be installed in unventilated areas of the slab-on-grade construction.

Alternatives II and III would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to meet either the Track 2 RRU SCOs (Alternative II) or the Track 4 Site-Specific SCOs (Alternative III). Compliance with SCGs for soil vapor would also be achieved by installing a waterproofing membrane/vapor barrier below the building foundation slab and continuing the waterproofing membrane/vapor barrier around foundation walls, and within unventilated areas of the slab-on-grade construction. An SMP would govern long-term management of these Engineering and Institutional Controls.

Each remedial alternative complies with SCGs that involve protection of the public health and environment during the remedial action by implementing and enforcing a site-specific CHASP. Occupational Safety and Health Administration (OSHA) requirements for on-site construction safety will be followed by the site contractors. In each remedial alternative, focused attention on dust control and proper soil handling techniques would aid compliance with applicable SCGs. These measures will protect on-site workers and the surrounding community from exposure to site derived contaminants.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Alternatives I, II and III have similar short-term effectiveness, as each requires excavation of historical fill material to depths of at least 5 to 12 feet bgs, and removal of the copper and lead hotspots. The alternatives would result in short-term dust generation associated with excavation, handling, load out of materials, and truck traffic. However, focused attention to dust control and proper soil handling during the remedial action, including community air monitoring and appropriate truck routing, would minimize or negate the overall impact of these activities.

The site construction is estimated to require about 104 twenty-five-cubic-yard-capacity truck trips to haul soil for disposal to advance excavation to development depth. Truck traffic will be routed on the most direct course using major thoroughfares where possible and flaggers will be used to protect pedestrians at site entrances and exits.

Under each remedial alternative, dust will be controlled by the application of water spray on the haul roads, and on site, when and where needed. Measures such as slowing the pace of work, applying foam suppressant or covering portions of the excavation will be used to minimize vapors and suppress odors when required. Work will be modified or stopped according to the action levels set forth in the CAMP. The effects of these potential adverse impacts to the community, workers and the environment will be minimized through implementation of corresponding control plans including a CHASP, a CAMP and an SMMP, during soil disturbance activities and would minimize the release of contaminants into the environment. Each alternative provides short term effectiveness in protecting the surrounding community by decreasing the risk of contact with site-derived contaminants. Construction workers operating under appropriate management procedures and a CHASP would be protected from site-derived contaminants (personal protective equipment would be worn consistent with the documented risks within the respective work zones).

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of ECs and ICs that may be used to manage contaminant residuals that remain at the site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of ECs.

Alternative I - The Track 1 remedy will remove all soil exceeding UU SCOs. For development, excavation will extend to a minimum depth of 12 feet bgs in the northern portion of the site, and to a minimum depth of 5 feet bgs in the remainder of the site. If soil and fill containing analytes at concentrations above UU SCOs are still present at the base of the excavation after removal of all soil required for construction of the new building's cellar level and slab-on-grade foundation is complete, additional excavation would be performed to ensure complete removal of soil/ fill that does not meet Track 1 UU SCOs. Compliance with SCGs for soil vapor would also be achieved by operating a ventilated parking garage, construction of a building slab within the groundwater table, and by installing a waterproofing membrane/vapor barrier below the building foundation slab and continuing the waterproofing membrane/vapor barrier around foundation walls, as part of development. The waterproofing membrane/vapor barrier would

also be installed in unventilated areas of the slab-on-grade construction.

Alternatives II and III – Residual contaminated media will be managed because potential exposure pathways to soil, groundwater, and soil vapor will be eliminated by the completion of either the Track 2 (Alternative II) or Track 4 (Alternative III) remedy. These remedies will include the removal of soil exceeding Track 2 RRU SCOs or Track 4 site-specific SCOs to a depth of 12 feet bgs in the northern part of the site and to a depth of 5 feet bgs in the remainder of the site. Some deeper excavations will be required for elevator pits and foundation elements. An effective and permanent concrete composite site cap would be installed and maintained, which would provide a permanent barrier to any impacted groundwater. In addition, groundwater in this area of New York City is not used for drinking water. Soil vapor will be mitigated by the installation of a waterproofing membrane/vapor barrier and by operating a ventilated parking garage. Therefore, the long-term effectiveness of this remedy will eliminate risks and satisfy the objectives of this criterion.

Alternative I would achieve long-term effectiveness and permanence related to on-site contamination by permanently removing all impacted soil and fill above Track 1 UU SCOs. Removal of on-site contaminant sources will also prevent future groundwater contamination.

Alternatives II and III would provide long-term effectiveness by removing most on-site contamination and attaining RRU SCOs (Track 2) or site-specific SCOs (Track 4); installing a composite cover system (Alternative III) and waterproofing membrane/vapor barrier across the site; operating a ventilated parking garage, maintaining use restrictions; establishing an SMP to ensure long-term management of ICs and ECs; and maintaining registration as an E-designated property to memorialize these controls for the long term. The SMP would provide guidelines for monitoring the long-term effectiveness of all ECs and ICs by requiring periodic inspection and certification that these controls and restrictions continue to be in place and are functioning as they were intended.

Reduction of toxicity, mobility, or volume of contaminated material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a site, ranked from most preferable to least preferable: removal or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of contaminated media.

Alternative I - The Track 1 remedy will permanently and significantly reduce the toxicity, mobility, and volume of contamination through removal of contaminated soil. Installation of a building slab (portions of which will be installed within the groundwater table), and installation of a waterproofing membrane and ventilated parking garage as construction measures will mitigate exposure to impacted groundwater or off-site sources of soil vapor.

Alternatives II and III - The Track 2 and Track 4 remedies will reduce the toxicity through removal of historical fill, and material exceeding RRU SCOs (Track 2) or site-specific SCOs (Track 4). Installation of a building slab (portions of which will be installed within the groundwater table), installation of a waterproofing membrane/vapor barrier, and ventilated parking garage as ECs will mitigate exposure to impacted groundwater and off-site sources of soil vapor.

Alternative I represents the most stringent cleanup standard of the three alternatives; therefore, it will be more effective in reducing toxicity than Alternatives II and III. The mobility of residual contaminants does not represent an off-site migration concern.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

Implementation of each alternative is feasible. The techniques, materials and equipment to implement them are readily available and have been proven effective in remediating the contaminants associated with the site. Excavation support and dewatering will be required for the implementation of each alternative. Excavation of the targeted fill and soil would be completed using standard bucket excavators. These remedies use typical remediation methods to address site impacts, and contractors experienced in implementing the remedies are readily available in the area of the site. Each of the alternatives use technologies of comparable reliability. There are no special difficulties associated with any of the activities proposed.

Alternative I will require over-excavation beyond development depth to achieve Track 1 cleanup standards. Alternative II may also require over-excavation beyond development depth to achieve a Track 2 cleanup, in addition to the over-excavation required to remove the lead and copper hotspots. Therefore, Alternative III is considered to be the most implementable.

Cost effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, and engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary for the continued effectiveness of a remedial action.

Over-excavation beyond development depth and additional soil disposal will be required to achieve a Track 1 cleanup. Alternative II may also require over-excavation beyond development depth to achieve a Track 2 cleanup, in addition to the over-excavation required to remove the lead and copper hotspots (required for all remedial alternatives). With exception to the lead and copper hotspots, implementation of Alternative III to meet the site-specific Track 4 SCOs will not require over-excavation. Additional long-term costs would be required for Alternatives II and III based on implementation of an SMP as part of these alternatives.

The remedial plan creates an approach that combines the remedial action with the redevelopment of the site, including the construction of the building foundation and subgrade structures. The remedial plan is also cost effective in that it will take into consideration the selection of the closest and most appropriate disposal facilities to reduce transportation and disposal costs during the excavation of historical fill and other soil during the redevelopment of the site.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

All three remedial alternatives should be acceptable to the community because the potential exposure pathways to on-site contamination will be mitigated during construction and eliminated upon completion of the respective alternatives. The site will also be redeveloped into an attractive use. However, as with any remediation or construction project, the temporary impacts during implementation given the extended construction time period and disruption to traffic patterns due to the significantly increased truck traffic may cause some community concerns. Alternatives I and II would require more truck trips and excavation to implement than Alternative III, therefore Alternative III would be most acceptable to the community during implementation.

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP. Based on the overall goals of the remedial program and initial permitting associated with the proposed

site development, no adverse community opinion is anticipated for any of the alternatives. This RAWP will be subject to a public review under the NYCVCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedy. This public comment will be considered by OER prior to approval of this plan.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current ICs applicable to the site.

The current, intended, and reasonably anticipated future land uses of the site and its surroundings should be compatible with the selected remedy of soil remediation. The future proposed development is a mixed-use residential and commercial building, which is expected to cover the entire site footprint. Review of previous environmental and public documents for the site has led to the following conclusions:

1. The current, intended, and reasonably anticipated future land use of the site and its surroundings should be compatible with the selected remedy. The reasonably anticipated future use of the site and the use of its surroundings have been documented by the volunteer in the VCP application.

2. The use proposed for the site conforms to applicable zoning laws or maps or the reasonably anticipated future use of the site.

3. The proposed use conforms to historical and recent development patterns in the area.

4. The site does not fall within the boundaries of an existing BOA.

5. The site is located in an urban setting that is characterized by residential, commercial, and industrial developments. There are no areas zoned for agricultural use in the proximity of the site.

6. There are no known environmental justice concerns.

7. There are no federal or state land designations.

8. The population growth patterns and projections support the proposed land use.

9. The site is accessible to existing infrastructure.

10. There are several landmark sites within 1/2-mile of the Site. The following table lists City Landmarks (L) and Properties Listed on National Register (NR) of Historic Places within approximately 1/2-Mile of the site:

Property/Site	Status	Address
Holland Tunnel	NR	West of West Street at Canal Street
Fleming Street Warehouse	L	451 Washington Street
480 Greenwich/502 Canal Street House	L	502 Canal Street
504 Canal Street House	L	504 Canal Street
506 Canal Street House	L	506 Canal Street
508 Canal Street House	L	508 Canal Street
486 Greenwich Street House	L	486 Greenwich Street
488 Greenwich Street House	L	488 Greenwich Street
Wilson Hunt House	L	41 Harrison Street
25 Harrison Street House	L	25 Harrison Street
29 Harrison Street House	L	29 Harrison Street
Holland Plaza Building	L	75 Varick Street
Notes: Sources: NYS Historic Preservation Office, National Register, and NYC.gov NYCityMap		

11. With the exception of the Hudson River, located 400 feet west of the site, the site is not located in close proximity to important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species.

12. Municipal water supply wells are not present in this area of New York City; therefore, groundwater from the site cannot affect municipal water supply wells or recharge areas. Manhattan does not use the groundwater as a source of drinking water.

13. According to Federal Emergency Management Agency (FEMA) flood maps, the site located within Zone AE "base flood elevations determined" area, which is a special flood hazard area subject to inundation by the 1% annual chance flood.

14. There are no known ICs in effect at the site.

Improvement to the environmental condition of the property achieved by each alternative is consistent with the City's goals for cleanup of contaminated land and bringing such properties into productive use.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with site development. The sustainability of each remedial alternative is expected to be comparable. A list of green remedial activities considered as part of the NYCVCP is included in the Sustainability Statement, included as Appendix D.

4.0 REMEDIAL ACTION

4.1 Summary of Preferred Remedial Action

The preferred remedial action alternative is Alternative III, the Track 4 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action consists of:

1. Preparation of a Community Protection Statement and implementation of a Citizen Participation Plan

2. Performance of a Community Air Monitoring Program for particulates and volatile organic carbon compounds

3. Establishment of Track 4 SCOs - Collection and analysis of documentation samples to determine the performance of the remedy with respect to attainment of Track 4 SCOs

4. Site mobilization involving site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas

5. Completion of a Waste Characterization Study prior to excavation activities - Waste characterization soil samples will be collected at a frequency dictated by disposal facilities.

6. Excavation and removal of soil and fill exceeding Track 4 SCOs - The northern portion of the site will be excavated to a depth of about 12 feet bgs to accommodate the proposed basement, with some deeper excavation required for the elevator pit and foundation elements. The southern slab-on-grade portion of the site will be excavated to a depth of about 5 feet bgs with some deeper excavation for foundation elements and removal of the lead and copper hotspots.

7. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a photoionization detector (PID), and appropriate segregation of excavated media on-site.

8. Dewatering in compliance with city, state, and federal laws and regulations - Extracted groundwater will either be containerized for off-site licensed or permitted disposal or will be treated under a permit from New York City Department of Environmental Protection (NYCDEP) to meet pretreatment requirements prior to discharge to the sewer system.
9. Management of excavated materials including temporarily stockpiling and segregating in accordance with defined material types and to prevent co-mingling of contaminated material and non-contaminated materials
10. Removal of any USTs identified during development and closure of any petroleum spills discovered in compliance with applicable local, State and Federal laws and regulations
11. Transportation and off-Site disposal of all soil/fill material at licensed or permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this plan - Sampling and analysis of excavated media as required by disposal facilities, and appropriate segregation of excavated media on-site
12. Installation of a waterproofing membrane/vapor barrier system beneath the building slab and outside foundation sidewalls below grade, and beneath the slab-on-grade parts of the building that are not mechanically ventilated or open to outside air - The waterproofing membrane/vapor barrier will consist of Grace Preprufe 300R for horizontal installations, and Grace Preprufe 160R or Bituthene 4000 for vertical installations, or an alternative OER-approved vapor barrier product that would provide similar vapor mitigation and waterproofing protection. Grace Preprufe 300R is a 45-mil thick high-density polyethylene (HDPE) film, and Preprufe 160R is a 30-mil thick HDPE film. Bituthene is a 60-mil thick self-adhesive HDPE film. In the slab-on-grade areas of the building that are not mechanically vented or open to outside air, Grace Florprufe 120 will be used, or an alternative OER-approved vapor barrier product that would provide similar vapor mitigation protection. Grace Florprufe 120 is a 20-mil thick polyolefin film. All welds, seams and penetrations will be properly sealed to prevent preferential pathways for vapor migration. The waterproofing membrane/vapor barrier system is an EC for the remedial action. The remedial engineer will certify in the Remedial Action Report (RAR) that the vapor barrier system was designed and properly installed to mitigate soil vapor migration into the building.
13. Construction and maintenance of an engineered composite cover consisting of concrete and asphalt pavement and a concrete building to prevent human exposure to residual soil/fill remaining under the site

14. Construction and operation of a grade-level parking garage with high volume air exchange in conformance with NYC Building Code

15. Import of materials to be used for backfill and cover in compliance with this plan and in accordance with applicable laws and regulations

16. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations

17. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations

18. Submission of a RAR that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the site boundaries, lists any changes from this RAWP, and describes all EC and IC to be implemented at the site

19. Submission of an approved SMP in the RAR for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of EC and IC and reporting at a specified frequency

20. The property will continue to be registered with an E-Designation by the NYC Buildings Department. Establishment of EC and IC in this RAWP and a requirement that management of these controls must be in compliance with an approved SMP. IC will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual contaminated material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval.

4.2 Soil Cleanup Objectives and Soil and Fill management

Track 4 SCOs are proposed for this project. The SCOs for this site are listed in Table 1. The Track 4 SCOs for the project are the RRU SCOs defined in 6 NYCRR Part 375, Table 6.8 with the exception of the following site specific SCOs:

Contaminant	**Site-Specific SCO's**
Total SVOCs	500 ppm
Lead	1,000 ppm
Mercury	2.5 ppm

Copper	350 ppm
Arsenic	25 ppm

Soil and materials management on-site and off-site, including excavation, handling and disposal, will be conducted in accordance with the SMMP in Appendix E. The location of planned excavations is shown in Figure 4.

Soil/Fill Excavation and Removal

The total quantity of soil and fill expected to be excavated and disposed off-site is 3,900 tons. The northern portion of the site will be excavated to a depth of about 12 feet bgs for the proposed basement, with some deeper excavation required for the elevator pit and foundation elements. The southern slab-on-grade portion of the site will be excavated to a depth of about 5 feet bgs with some deeper excavation for foundation elements and removal of the lead and copper hotspots. Selected disposal facilities will be reported promptly to the OER Project Manager when they are identified and prior to the start of remedial action. The location of planned excavations is shown in Figure 4.

Documentation Samples

Documentation samples will be analyzed for compounds and elements as described below utilizing the following methodology:

- VOCs by EPA Method 8260;
- SVOCs by EPA Method 8270;
- TAL metals by EPA Methods 6010C and 7471B; and
- Pesticides/PCBs by EPA Method 8081/8082.

New York State Environmental Laboratory Accreditation Program (ELAP)-certified labs will be used for all documentation sample analyses. Labs performing documentation sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results and will include all data including non-detects and applicable standards and/or guidance values.

Removal actions for development purposes under this plan will be performed in conjunction with documentation soil sampling. Six documentation samples will be collected from the base of the excavation at locations to be determined by OER. Proposed documentation sample locations are provided on Figure 5. To evaluate attainment of Track 4 SCOs, analytes will include those for which SCOs have been developed, including list SCO analytes, and the Track 4 site-specific SCOs provided above. Samples will be analyzed for VOCs, SVOCs, pesticides, PCBs and metals according to analytical methods described above.

Hot Spot Endpoint Sampling

Delineation samples collected at the copper and lead hot spot locations during the RI will be utilized as hot spot removal endpoint samples. No additional samples are required.

Quality Assurance/Quality Control

The fundamental quality assurance (QA) objective with respect to accuracy, precision, and sensitivity of analysis for laboratory analytical data is to achieve the quality control (QC) acceptance of the analytical protocol. The accuracy, precision and completeness requirements will be addressed by the laboratory for all data generated.

One blind duplicate sample for every 20 samples collected will be submitted to the approved laboratory for analysis of the same parameters. Trip blanks will be used whenever samples are transported to the laboratory for analysis of VOCs. One trip blank will be submitted to the laboratory within each cooler of soil VOC samples. Trip blanks will not be used for samples to be analyzed for metals, SVOCs or pesticides.

Collected samples will be appropriately packaged, placed in coolers and shipped via overnight courier or delivered directly to the analytical laboratory by a laboratory courier. Samples will be containerized in appropriate laboratory provided glassware and shipped in plastic coolers. Samples will be preserved through the use of ice or "cold-paks" to maintain a temperature of 4°C.

Dedicated disposable sampling materials will be used for the collection of documentation samples, eliminating the need to prepare field equipment (rinsate) blanks. However, if non-disposable equipment is used, (stainless steel scoop, etc.) field rinsate blanks will be prepared at the rate of 1 for every eight samples collected. Decontamination of non-dedicated sampling equipment will consist of the following:

- Gently tap or scrape to remove adhered soil
- Rinse with tap water
- Wash with alconox® detergent solution and scrub
- Rinse with tap water
- Rinse with distilled or deionized water

Field blanks will be prepared by pouring distilled or deionized water over decontaminated equipment and collecting the water in laboratory-provided containers.

Import and Reuse of Soils

Import of soils onto the property and reuse of soils already onsite will be performed in conformance with the SMMP in Appendix E. The estimated quantity of soil to be imported into the site for backfill and cover soil is not expected to exceed 250 tons. Reuse of on-site material is not expected.

4.3 Engineering Controls

Engineering Controls will be employed in the remedial action to address residual contamination remaining at the site. The site has three primary Engineering Control Systems. These are:

- A composite cover system consisting of asphalt and concrete pavement, and concrete building slabs,
- A soil vapor barrier/waterproofing membrane; and
- Ventilated parking garage.

Composite Cover System

Exposure to residual soil and fill will be prevented by an engineered, composite cover system to be built on the site. The concrete foundation slab of the future building, which will comprise the composite cover system, will be constructed to span the entire site. At least two feet of clean soil or crushed stone will be placed in any landscaped areas, if development plans are modified to include these. If cover soil is required, it will meet the UU SCOs. The cover system would serve as an EC for the protection of human health by establishing an incomplete exposure pathway to residual site soils. If clean soil cover is used in landscaped areas, a demarcation layer (e.g., orange snow fencing) will be installed on top of the residual soil layer prior to placing the clean soil cap with the upper 6 inches of the soil of sufficient quality to maintain a vegetation layer. The composite cover system will be considered a permanent EC. The system will be inspected and reported at specified intervals as required by this RAWP and the SMP. Contingency plans will be included in the SMP and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil or fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the SMP in the RAR. A plan showing the composite cover system layout is provided as Figure 6.

Waterproofing Membrane/Vapor Barrier

Migration of potential soil vapor will be mitigated with a combination of building slab and vapor barrier/waterproofing membrane. The waterproofing membrane/vapor barrier will consist of Grace Preprufe 300R for horizontal installations, and Grace Preprufe 160R or Bituthene 4000 for

vertical installations, or an alternative OER-approved vapor barrier product that would provide similar vapor mitigation and waterproofing protection. Grace Preprufe 300R is a 45-mil thick HDPE film, and Preprufe 160R is a 30-mil thick HDPE film. Bituthene is a 60-mil thick self-adhesive HDPE film. In the slab-on-grade areas of the building that are not mechanically vented or open to outside air, Grace Florprufe 120 will be used, or an alternative OER-approved vapor barrier product that would provide similar vapor mitigation protection. Grace Florprufe 120 is a 20-mil thick polyolefin film. The waterproofing membrane/vapor barrier will be installed prior to pouring the building's concrete slab and will continue up the foundation sidewalls in accordance with manufacturer specifications. The specifications for installation will be provided to the construction management company and the foundation contractor or installer of the liner. The specifications state that all waterproofing membrane/vapor barrier seam, penetrations, and repairs will be sealed either by the tape method or weld method, according to the manufacturer's recommendations and instructions.

The project's Professional Engineer licensed by the State of New York will have primary direct responsibility for overseeing the installation of the vapor barrier. This does not constitute waterproofing inspection. The extent of the proposed waterproofing membrane/vapor barrier membrane is provided in Figure 7. A plan showing details of the waterproofing membrane/vapor barrier is provided as Figure 8. Waterproofing membrane/vapor barrier product specification sheets are provided in Appendix G.

The RAR will include photographs (maximum of two photos per page) of the installation process, PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturer's certificate of warranty.

Ventilated Parking Garage

Development plans include construction and operation of a slab-on-grade parking garage that will be continuously ventilated in accordance with New York City Mechanical Code.

4.4 Institutional Controls

A series of ICs are required under this Remedial Action to assure permanent protection of public health by elimination of exposure to residual materials. These ICs define the program to operate, maintain, inspect and certify the performance of ECs and ICs on this property. ICs would be implemented in accordance with an SMP included in the RAR. ICs would be:

- Continued registration of the E-Designation for the property. This RAWP includes a description of all ECs and ICs and summarizes the requirements of the SMP which will

note that the property owner and property owner's successors and assigns must comply with the approved SMP.

- Submittal of an SMP in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, inspection, and certification of ECs and ICs. The SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the site in order to evaluate the continued maintenance of any controls. This certification shall be submitted at a frequency to be determine by OER in the SMP and will comply with RCNY §43-1407(l)(3).

- Vegetable gardens and farming on the site are prohibited in contact with residual soil materials.

- Use of groundwater underlying the site is prohibited without treatment rendering it safe for its intended use.

- All future activities on the site that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP.

- The site will be used for residential and commercial purposes and will not be used for a higher level of use without prior approval by OER.

4.5 Site Management Plan

Site Management is the last phase of remediation and begins with the approval of the Remedial Action Report and issuance of the Notice of Completion (NOC) for the Remedial Action. The SMP describes appropriate methods and procedures to ensure implementation of all ECs and ICs that are required by this RAWP. The SMP is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site Management continues until terminated in writing by OER. The property owner is responsible to ensure that all Site Management responsibilities defined in the Site Management Plan are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil and fill left in place following completion of the remedial action in accordance with the

Voluntary Cleanup Agreement with OER. This includes a plan for: (1) implementation of ECs and ICs; (2) operation and maintenance of ECs; (3) inspection and certification of ICs and ECs.

Site management activities and EC/IC certification will be scheduled by OER on a periodic basis to be established in the RAR and the SMP and will be subject to review and modification by OER. The SMP will be based on a calendar year and certification reports will be due for submission to OER by July 30 of the year following the reporting period.

4.6 Qualitative Human Health Exposure Assessment

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Investigations reported in the RIR are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA). As part of the VCP process, a QHHEA was performed to determine whether the site poses an existing or future health hazard to the site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Sources

The AOCs identified for the site include:

1. Historical Site Use: Historical uses of the site include a mahogany and veneer yard (1894-1905), a chemical works (1920), a drug company (1927), a dowel company (1927), a chemical manufacturer and a wood products warehouse (1950-1977), and garages with gasoline tanks (1950-2005). Leaks or spills of petroleum products, solvents, and/or hazardous materials resulting from these uses may have adversely impacted soil, groundwater and/or soil vapor beneath the site.

2. Suspected USTs: Historical land use (Sanborn) maps from 1950 to 1968 show two gasoline USTs at the eastern site boundary, on Lot 15. Historical releases of gasoline may have impacted soil, soil vapor and/or groundwater at the site.

3. Historical Fill: According to historical geologic maps, the original shoreline of the Hudson River extended further eastward, beyond the site. The shoreline moved westward in the 1800s, by infilling with imported fill material. Historic fill typically contains contaminants, particularly metals and SVOCs, at concentrations that exceed applicable state and/or federal standards and may also contain hazardous concentrations of metals.

4. Lead Hotspot: During the subsurface investigation performed by Langan in April 2015, lead was identified at a concentration of 3,100 mg/kg in soil boring SB03 (advanced in the southeastern portion of the site), at a depth of 4 to 5 feet bgs.

5. Copper Hotspot: During the subsurface investigation performed by Langan in April 2015, copper was identified at a concentration of 42,000 mg/kg in soil boring SB05 (advanced in the central portion of the site), at a depth of 5 to 6 feet bgs.

Nature, Extent, Fate and Transport of Contaminants

Data collected during the RIR confirmed the presence of historical fill material from surface grade to approximate depths of 5 to 13.5 feet bgs. The fill layer is primarily composed of loose reddish to dark brown, medium to coarse sand with varying amounts of gravel and silt. Construction and demolition debris, plant remains, wood, metal, slag, ash and coal were also observed within the fill layer. VOCs, SVOCs, metals, and pesticides at concentrations exceeding 6 NYCRR Part 375 UU SCOs were detected throughout the historical fill material.

Several SVOCs and metals were detected at concentrations above the NYSDEC TOGS AWQS GA standards in groundwater.

Soil vapor data collected during the RI was compared to the to the NYSDOH decision matrices provided in the Final Guidance on Soil Vapor Intrusion, 2006. The decision matrices recommend a range from "no further action" to "take reasonable and practical actions to identify sources and reduce exposures" to the compounds listed in the matrices. However, a complete comparison cannot be made to the matrices considering there are no structures on the site and indoor air samples cannot be collected. Carbon tetrachloride and trichloroethylene were not detected in any of the soil vapor samples collected during the RI. Based on the concentrations of 1,1,1-trichloroethane and PCE, the decision matrices recommend a range from "no further action" to "take reasonable and practical actions to identify sources and reduce exposures" to these compounds.

Receptor Populations

Potential receptors identified during implementation of the proposed remedy include:

- On-site workers: adult (remediation and construction workers);
- Temporary worker: adult (utility worker/inspector, subcontractors, sampler/remediation inspector); and
- Public adjacent to the site.

Potential Routes of Exposure

An exposure pathway begins with a source and mechanism of contaminant release, resulting in the contamination of a receiving matrix (environmental medium). A complete exposure pathway also requires a point of potential contact with the contaminated matrix (i.e., exposure point), an exposure route (i.e., inhalation, ingestion, or dermal contact), and a receptor population. If an exposure pathway is not complete because it does not include a contaminated matrix, a point of potential contact, an exposure route, or a receptor, then no risk exists.

Currently, parts of the site are not capped with asphalt pavement, concrete, or clean soil. Therefore, a potential route of exposure to historical fill material, soil, groundwater, and soil vapor currently exists.

During construction, impacted soil, groundwater and soil vapor will be encountered and potential routes of exposure (inhalation, ingestion, or dermal contact) exist for construction workers and people adjacent to the site.

All soil exceeding the Track 4 SCOs will be removed during implementation of this remedy. A ventilated parking garage will be installed and constructed as part of the proposed development. Therefore, there are no potential routes of exposure under future post-construction conditions. Additionally, groundwater in this area of New York City is not a source of drinking water; therefore, the pathway for ingestion will not be complete.

Potential Exposure Points

Current Conditions: Currently, parts of the site are not capped with asphalt pavement, concrete, or clean soil. Therefore, a potential route of exposure to historical fill material, soil, groundwater, and soil vapor currently exists. Groundwater is not exposed at the site. The site is served by the public water supply and groundwater is not used at the site for potable supply and there is no potential for exposure. Because the site is currently undeveloped, there is no potential for soil vapor to accumulate on site.

Construction/ Remediation Conditions: During the remedial action, onsite workers will come into direct contact with surface and subsurface soils as a result of on-site construction and excavation activities. On-site construction workers potentially could ingest, inhale or have dermal contact with exposed impacted soil and fill. Similarly, off-site receptors could be exposed to dust and vapors from on-site activities. Due to the depth of groundwater, direct contact with groundwater is expected in the northern portion of the site. During construction, on-site and off-site exposures to contaminated dust from on-site will be addressed through the SMMP, dust controls, and through the implementation of the CAMP and CHASP.

Proposed Future Conditions: Under future remediated conditions, all soils in excess of Track 4 SCOs will be removed. The site will be fully capped, preventing potential direct exposure to soil and groundwater remaining in place, and engineering controls (waterproofing membrane/vapor barrier and ventilated parking garage) will prevent any potential exposure due to inhalation by preventing soil vapor intrusion. The site is served by the public water supply, and groundwater is not used at the site. There are no plausible off-site pathways for oral, inhalation, or dermal exposure to contaminants derived from the site.

Overall Human Health Exposure Assessment

There are potential complete exposure pathways for the current site condition. There are potential complete exposure pathways that require mitigation during implementation of the remedy. There are no complete exposure pathways under future conditions after the site is developed. This assessment takes into consideration the reasonably anticipated use of the site, which includes a mixed-sue commercial-residential structure, site-wide surface cover, ventilated parking garage, and waterproofing membrane/vapor barrier system for the building. Under current conditions, on-site exposure pathways exist for those with access to the site and trespassers. During remedial construction, on-site and off-site exposures to contaminated dust from historical fill material will be addressed through dust controls, and through the implementation of the CAMP, the SMMP, and CHASP. Potential post-construction use of groundwater is not considered an option because groundwater in this area of New York City is not used as a potable water source. There are no surface waters in close proximity to the Site that could be impacted or threatened.

Environmental Media & Exposure Route	**Human Exposure Assessment for Proposed Remedial Action**
Direct contact with surface and subsurface soils	• There is no direct contact with soil because the site will be completely covered with an engineered composite

	cover. Future contact with soil will be prevented by the implementation of a SMP and SMMP for any future ground intrusive work
Ingestion of groundwater	• The area is served by an upstate water supply and groundwater is not being used for potable water supply. Groundwater use for potable supply onsite is prohibited by municipal law.
Direct contact with groundwater	• There is no direct contact with groundwater because the site will be completely covered with an engineered composite cover. Future contact with groundwater will be prevented by the implementation of a SMP and SMMP for any future ground intrusive work.
Direct contact with soil vapor	• Contact with soil vapor will be prevented with a waterproofing membrane/vapor barrier and a high volume air exchange required by the Building Code for ventilation of the sub-grade parking garage.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 Project Organization and Oversight

The following project personnel are anticipated for oversight of the RAWP implementation.

Remediation Engineer:	Jason J. Hayes, P.E.
Project Manager:	Brian Gochenaur
Langan Health & Safety Officer:	Tony Moffa, CHMM
Site Safety Coordinator	William Bohrer
Qualified Environmental Professional (QEP)	Jason J. Hayes, P.E.
Field Team Leader	Daniel Carrus
Quality Assurance Officer	Michael Burke, CHMM

A qualified environmental professional (QEP) or the remediation engineer (RE) will directly supervise field engineers, scientists and geologists that will be on-site during remedial action to monitor particulates and organic vapor in accordance with the CAMP. CAMP results that exceed specified action levels will be reported to OER in daily reports.

A QEP or the RE will directly supervise field engineers, scientists and geologists that will meet with the Construction Superintendent on a daily basis to discuss the plans for that day and schedule upcoming activities. The field engineers, scientists and geologists will document all remedial activities in the daily report. This document will be forwarded to the Field Team Leader on a daily basis and to the Project Manager and the RE on a weekly basis.

A QEP or the RE will directly supervise field engineers, scientists and geologists that will screen the excavation with a PID during intrusive activities. All readings will be noted in the record. Elevated readings will be reported to OER in the daily reports. The field engineers, scientists and geologists will collect the excavation documentation samples in accordance with this RAWP.

A photo log will be kept to document construction activities by still photos. The photo log may also be used to record activities recorded in the daily report.

The project field book will be used to document all sampling activities and how they correspond to the RAWP. All observations, field and/or laboratory tests will be recorded in the project field book or on separate logs. Recorded field observations may take the form of notes, charts, sketches, or photographs.

The Field Team Leader will maintain the current field book and all original field paperwork during the performance of work. The Project Manager will maintain the field paperwork after completion and will maintain all submittal document files.

5.2 Site Security

Site access will be controlled by gated entrances to the fenced property.

5.3 Work Hours

The hours for operation of remedial construction will be in accordance with the NYCDOB construction code requirements.

5.4 Construction Health and Safety Plan

The CHASP is included in Appendix F. The Site Safety Coordinator will be William Bohrer. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the CHASP and applicable laws and regulations. The CHASP pertains to remedial and invasive work performed at the site until the issuance of the NOC.

All field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. The Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the CHASP and be required to sign an CHASP acknowledgment. Site-specific training will be provided to field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the CHASP. That document will define the specific project contacts for use in case of emergency.

5.5 Community Air Monitoring Plan

Real-time air monitoring for VOCs and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of contaminated or potentially contaminated media. Ground intrusive activities include, but are not limited to, soil or waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Exceedences of action levels observed during performance of the CAMP will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

VOCs will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate

emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 $\mu g/m^3$ greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 $\mu g/m^3$ above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 $\mu g/m^3$ above the upwind level, work will be stopped and a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 $\mu g/m^3$ of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 Agency Approvals

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 Site Preparation

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the Site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the Site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the Site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-Site and off-Site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Dewatering

For the remedy, dewatering is considered a remedial component inasmuch as it is necessary to facilitate excavation of contaminated material. Prior to mobilization, the Contractor will follow the New York City Department of Environmental Protection's (NYCDEP's) "Procedure for Obtaining Letter of Approval for Groundwater Discharge to Sanitary or Combined Sewer." Dewatering fluids will be discharged to a NYC sewer in accordance with a NYCDEP permit. Based on the NYCDEP's effluent limitations, the Contractor may be required to install additional pretreatment utilities for dewatering fluids to reduce contaminant concentration below the NYCDEP effluent limitations prior to discharge. Additional pretreatment may include bag filters, carbon filtration, etc. If the Contractor will discharge more than 10,000 gallons per day, a NYCDEP Temporary Discharge of Groundwater into the City Sewer System Permit will be required. Collected groundwater or rainwater will be discharged, as defined by the NYCDEP permit, into the New York City sewer system, via an entry point acceptable to the NYCDEP. If required, the dewatering and treatment system will be designed by the Contractor's New York State-licensed Professional Engineer.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to keep adjacent roadways clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the site exit. Before exiting the NYC VCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms and shovels will be utilized for the removal of soil from vehicles and equipment as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create unsafe or unstable structures, damage safety structures and cause downed power lines

creating dangerous site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; lose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from holes, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the property; stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, haybales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A site inspection report will be submitted to OER at the completion of site inspection and after the site security is assessed. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYSDEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be stabilized and fortified. Dislocated materials will by collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Storm-water control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of

site access by the property owner. Impacted off-site areas may require characterization based on site conditions, at the discretion of OER. If onsite petroleum spills are identified, a qualified environmental professional will determine the nature and extent of the spill and report to NYSDEC's spill hotline at DEC 800-457-7362. If the source of the spill is ongoing and can be identified, it should be stopped it this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYSDEC.

Storm Response Reporting

A site inspection report will be submitted to OER at the completion of site inspection. An inspection report established by OER is available on OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. The site inspection report will be sent to the OER project manager and will include the site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the site was dislocated and whether any of the soil left the site; estimates of the volume of soil that left the site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of onsite or offsite exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYSDEC; description of corrective actions; schedule for corrective actions. This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 Traffic Control

Drivers of trucks leaving the NYCVCP site with soil or fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is for trucks to travel north on Washington Street, then west on Desbrosses Street, and then north on West Street. Trucks travelling to New Jersey and Pennsylvania will use the Lincoln Tunnel to cross the Hudson River. Inbound trucks will travel south along West Street, east on Vestry Street, and north on Washington Street. A Truck Route Map is provided as Figure 9.

5.9 Demobilization

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck cleaning and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination, and;
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be cleaned at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 Reporting and Record Keeping

Daily Reports

Daily reports providing a general summary of activities for each day of *active remedial work* will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the site;
- Status of on-site soil and fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint; actions taken; etc.);
- A summary of CAMP excursions, if any;
- Photograph of notable site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be

included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an appendix in the RAR.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-ste during the project and will be available for inspection by OER staff. Representative photographs will be taken of the site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 Complaint Management

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 Deviations from the Remedial Action Work Plan

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the Remedial Action Report. The process to be followed if there are any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

A RAR will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP.
- Text description with thorough detail of all engineering and institutional controls.
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy.
- Manifests for soil or fill disposal.
- SMP (if Track 1 is not achieved).
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents.
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point or documentation sampling, and other sampling and chemical analysis performed as part of the remedial action and DUSR.
- Test results or other evidence demonstrating that remedial systems are functioning properly.
- Account of the source area locations and characteristics of all contaminated material removed from the site including a map showing source areas.
- Full accounting of the disposal destination of all contaminated material removed from the Site. Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material.
- Account of the origin and required chemical quality testing for material imported onto the site.
- Continue registration of the property with an E-Designation by the NYC Department of Buildings.
- The RAWP and RIR will be included as appendices to the RAR.
- Reports and supporting material will be submitted in digital form and final PDF's will include bookmarks for each appendix.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statements:

I, [name], am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 440 Washington Street site, site no. [site number].

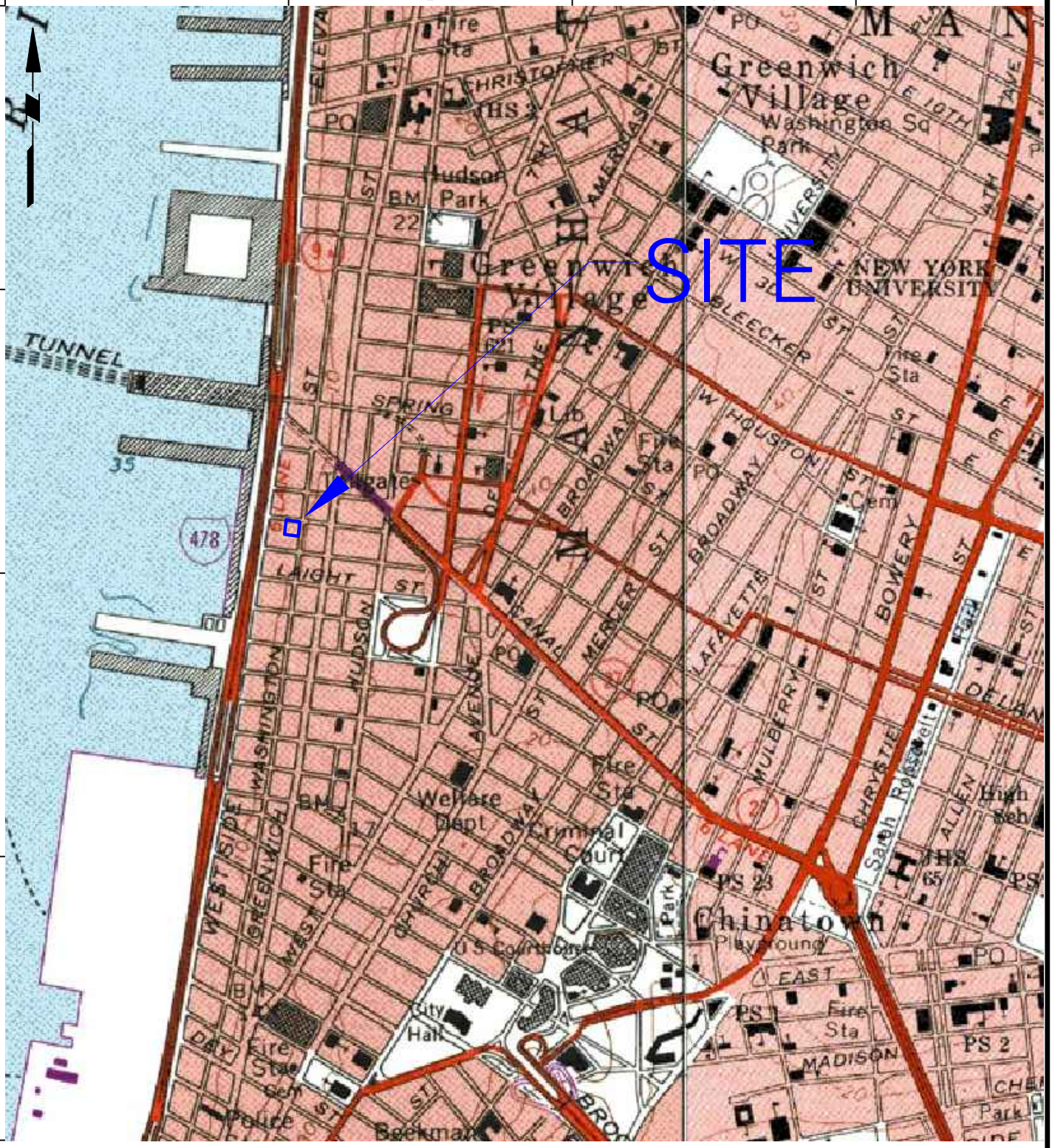
I certify that to the best of my knowledge the OER-approved Remedial Action Work Plan dated [month day year] and Stipulations in a letter dated [month day, year]; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that to the best of my knowledge contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a 1 to 2 month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	0	1
Remedial Excavation	1	12
Demobilization	13	1
Submit Remedial Action Report	17	4

Figures



SOURCE: USGS 7.5 SERIES QUADRANGLE MAP - JERSEY CITY, N.J., DATED 1981

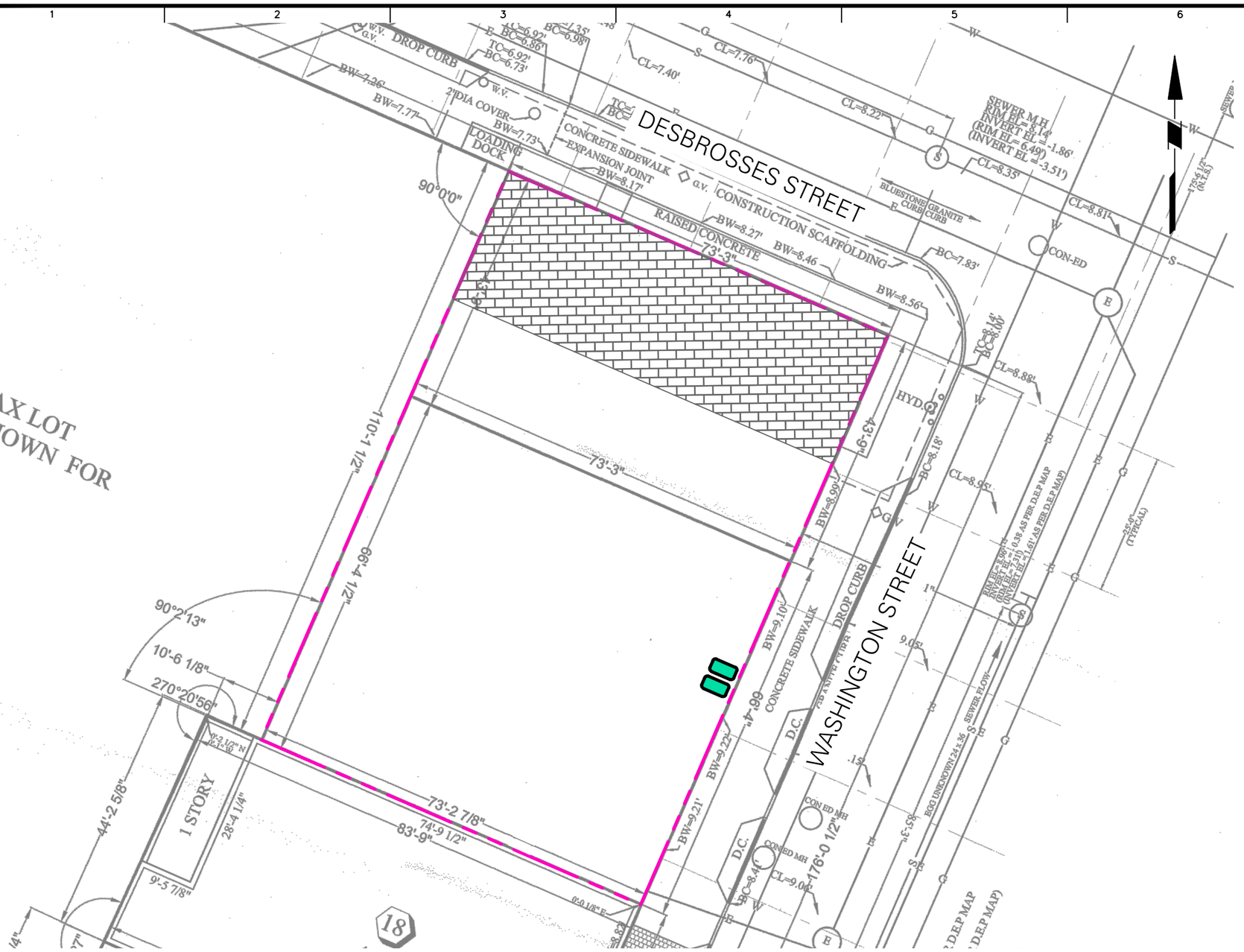
LANGAN

21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

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	440 WASHINGTON STREET BLOCK No. 223, LOT Nos. 13 and 15 NEW YORK NEW YORK NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170361501
Date	7/30/2015
Scale	NTS
Drawn By / Checked By	KDC / BG
Submission Date	8/15/2015
Figure No.	1
Sheet	1 of 9

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 1 - Site Location Map.dwg Date: 8/21/2015 Time: 14:40 User: grovalino Style Table: Langan.stb Layout: ANSIA-BP



LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
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
440 WASHINGTON STREET
BLOCK No. 223, LOT No. 13 & 15
MANHATTAN
NEW YORK NEW YORK

Figure Title
SITE BOUNDARY MAP

Project No. 170361501	Figure No. 2
Date 7/30/2015	
Scale 1" = 20'	
Drawn By KDC / Checked By BG	
Submission Date 8/15/2015	Sheet 2 of 9

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 2 - Site Boundary Map - 2015-09-15.dwg Date: 9/15/2015 Time: 13:03 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL

LEGEND

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

NOTES:

1. BASE MAP OBTAINED FROM WWW.OASISNYC.NET ON JUNE 30, 2015.

60 0 20 40 60
SCALE IN FEET

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
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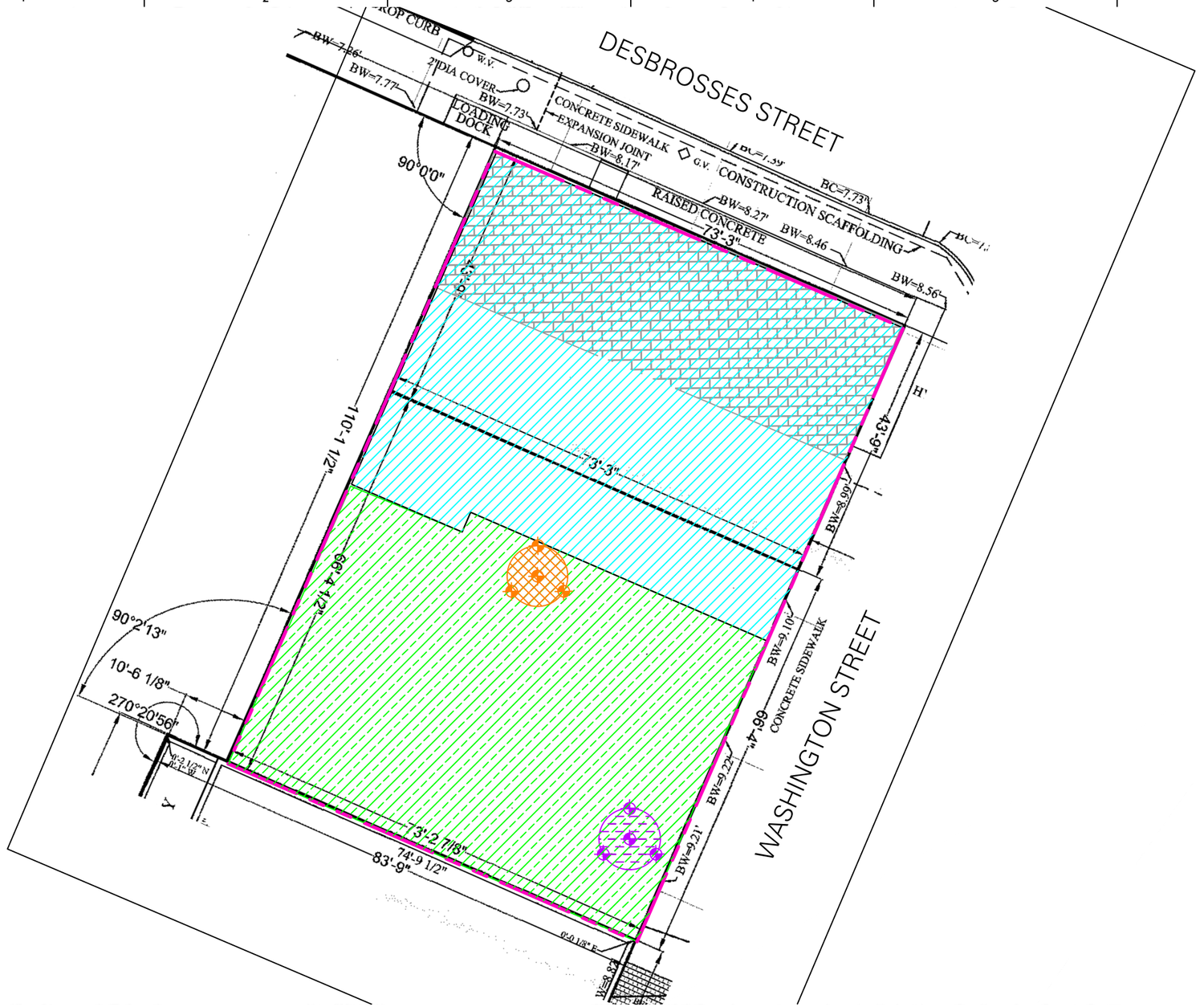
Project
440 WASHINGTON STREET
BLOCK No. 223, LOT No. 13 & 15
MANHATTAN
NEW YORK NEW YORK

Figure Title
SURROUNDING LAND USE MAP

Project No. 170361501	Figure No. 3
Date 7/30/2015	
Scale 1" = 60'	
Drawn By AS / Checked By BG	
Submission Date 8/15/2015	Sheet 3 of 9

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 3 - Surrounding Land Use Map 2015-09-15.dwg Date: 9/15/2015 Time: 13:06 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE SITE BOUNDARY
- BASEMENT EXCAVATION TO ABOUT 12 FEET BGS
- SLAB ON GRADE EXCAVATION TO ABOUT 5 FEET BGS
- COPPER HOTSPOT LOCATION EXCAVATION DEPTH TO ABOUT 8 FEET BGS WITH PREVIOUS DELINEATION ENDPOINT SAMPLE LOCATIONS SHOWN
- LEAD HOTSPOT LOCATION EXCAVATION DEPTH TO ABOUT 7 FEET BGS WITH PREVIOUS DELINEATION ENDPOINT SAMPLE LOCATIONS SHOWN
- APPROXIMATE EXTENT OF FORMER BASEMENT, FILLED WITH DEMOLITION DEBRIS FROM SURFACE TO ABOUT 8 FEET BGS

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015.
2. ELEVATIONS ARE IN REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. BGS = BELOW GRADE SURFACE

LANGAN
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Langan Engineering and Environmental Services, Inc.
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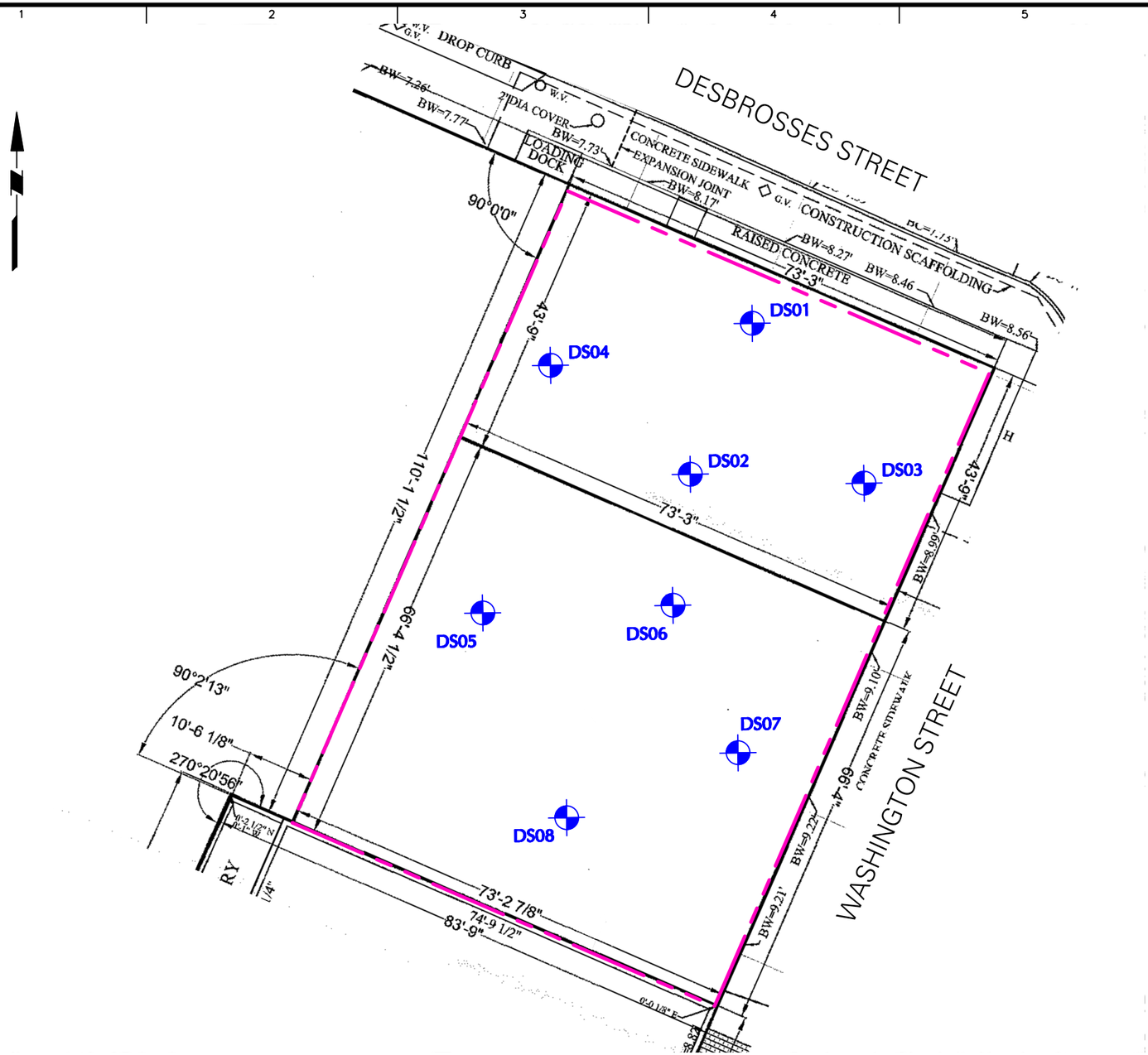
Project
440 WASHINGTON STREET
BLOCK No. 223, LOT No. 13 & 15
MANHATTAN
NEW YORK **NEW YORK**

Figure Title
PROPOSED EXCAVATION PLAN

Project No. 170361501	Figure No. 4
Date 7/30/2015	
Scale 1" = 20'	
Drawn By KDC / Checked By BG	
Submission Date 8/15/2015	Sheet 4 of 9

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 4 - Site Excavation Plan - 2015-09-14.dwg Date: 9/14/2015 Time: 10:43 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

APPROXIMATE SITE BOUNDARY

DS03 PROPOSED DOCUMENTATION SAMPLE LOCATION

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015
2. ELEVATIONS ARE IN REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. BGS = BELOW GRADE SURFACE

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New York, NY 10001
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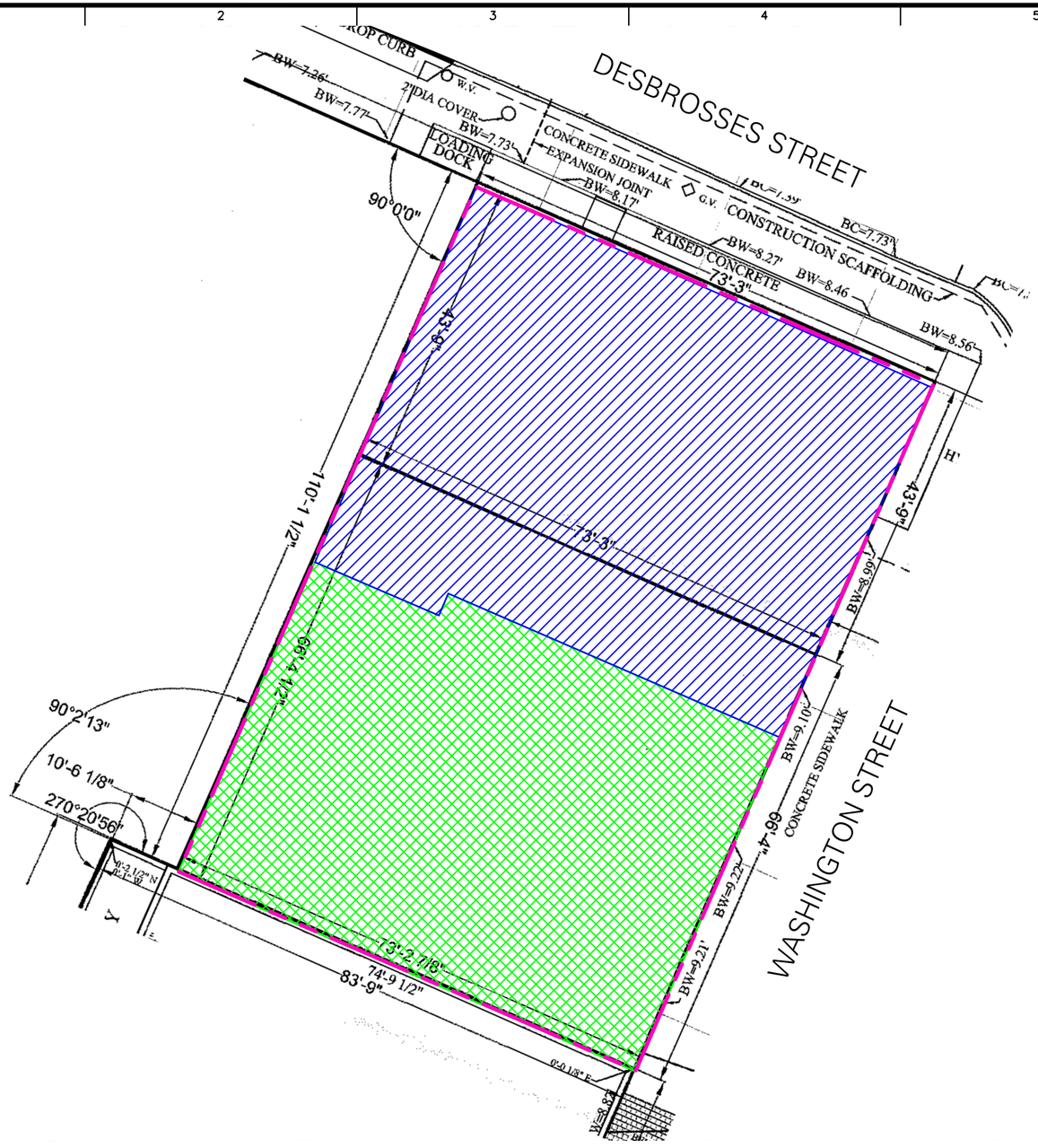
Project
440 WASHINGTON STREET
BLOCK No. 223, LOT Nos. 13 and 15
MANHATTAN
NEW YORK NEW YORK

Figure Title
PROPOSED DOCUMENTATION SAMPLE LOCATION PLAN

Project No. 170361501	Figure No. 5
Date 8/4/2015	
Scale 1"=20'	
Drawn By JL / Checked By BG	
Submission Date 8/15/2015	Sheet 5 of 9

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 8 - Proposed Endpoint Sample Location Plan - 2015-09-15.dwg Date: 9/15/2015 Time: 13:18 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE EXTENT OF CONCRETE PRESSURE SLAB BUILDING FOUNDATION (BASEMENT LEVEL)
- APPROXIMATE EXTENT OF CONCRETE SLAB-ON-GRADE BUILDING FOUNDATION

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015.
2. COMPOSITE COVER SYSTEM CONSISTS OF THE CONCRETE PRESSURE SLAB AND THE CONCRETE SLAB-ON-GRADE FOR AREAS WITH NO BASEMENT LEVEL.

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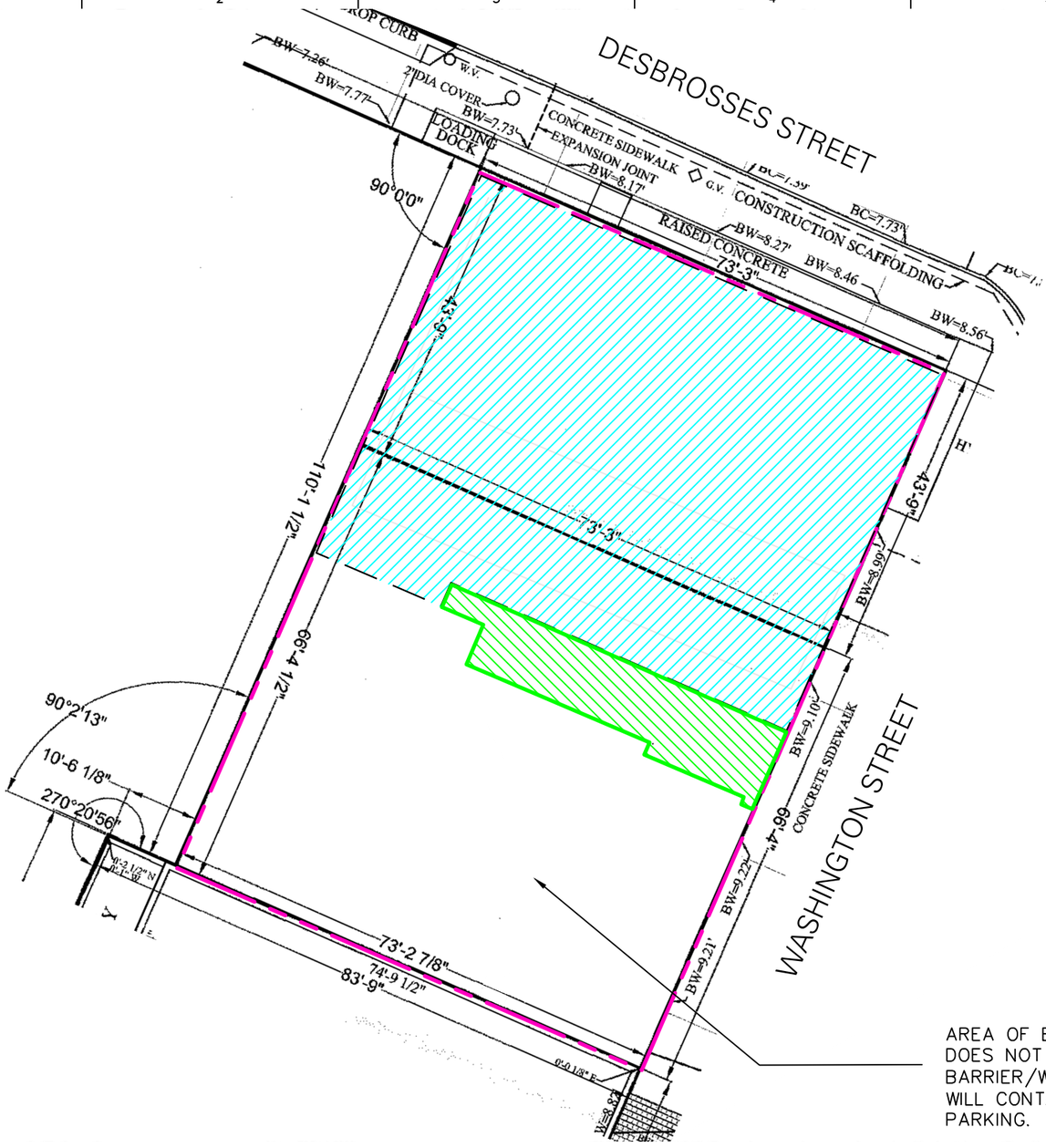
Figure Title
COMPOSITE COVER SYSTEM LAYOUT

Project No. 170361501	Figure No. 6
Date 8/4/2015	
Scale 1" = 20'	
Drawn By JL / Checked By BG	
Submission Date 8/15/2015	Sheet 6 of 9

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 7 - Composite Cover Plan - 2015-09-14.dwg Date: 9/14/2015 Time: 10:24 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE EXTENT OF BASEMENT LEVEL
- APPROXIMATE EXTENT OF VAPOR BARRIER/WATERPROOFING MEMBRANE INSTALLED IN BASEMENT
- APPROXIMATE EXTENT OF VAPOR BARRIER INSTALLED AT GRADE

AREA OF BUILDING FOOTPRINT THAT DOES NOT CONTAIN VAPOR BARRIER/WATERPROOFING MEMBRANE, BUT WILL CONTAIN VENTILATED AT-GRADE PARKING.

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015.
2. VAPOR BARRIER/WATERPROOFING MEMBRANE PRODUCT CONSISTS OF GRACE PREPRUFE 300R OR SIMILAR PRODUCT BENEATH THE BASEMENT SLAB, AND GRACE PREPRUFE 160R AND/OR GRACE BITUTHENE 4000 OR SIMILAR PRODUCTS BEHIND SUBSURFACE WALLS.
3. VAPOR BARRIER/WATERPROOFING MEMBRANE WILL BE INSTALLED ON THE BASEMENT SLAB, AND THE BASEMENT SIDEWALLS.
4. VAPOR BARRIER PRODUCT CONSISTS OF GRACE FLORPRUFE 120 OR SIMILAR PRODUCT .
5. VAPOR BARRIER TO BE INSTALLED IN SLAB-ON-GRADE AREAS OF THE BUILDING THAT ARE NOT MECHANICALLY VENTED OR OPEN TO OUTSIDE AIR.

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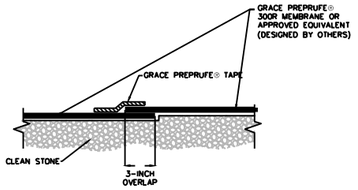
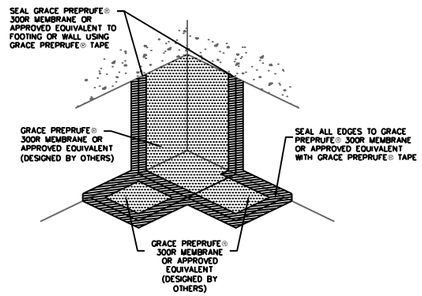
Figure Title
VAPOR BARRIER/ WATERPROOFING MEMBRANE PLAN

Project No. 170361501	Figure No. 7
Date 7/30/2015	
Scale 1" = 20'	
Drawn By KDC / Checked By BG	
Submission Date 8/15/2015	Sheet 7 of 9

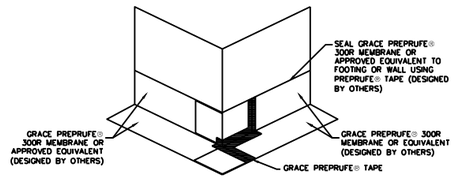
Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 5 - Vapor Barrier Plan 2015-09-15 1.dwg Date: 9/15/2015 Time: 13:11 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL



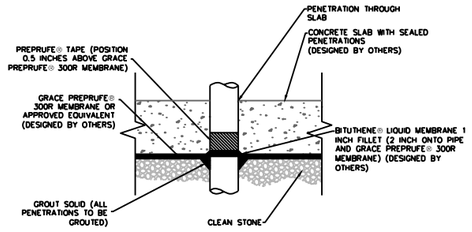
DETAIL 1: TYPICAL VAPOR BARRIER ASSEMBLY AT SEAMS (TAPE LAP METHOD)
NOT TO SCALE



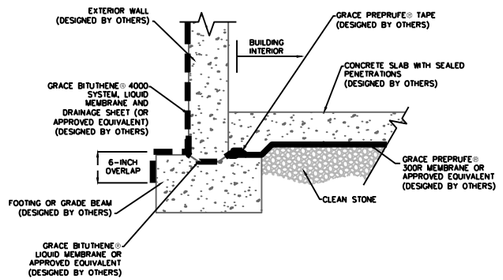
DETAIL 2: TYPICAL VAPOR BARRIER ASSEMBLY AT INSIDE CORNER
NOT TO SCALE



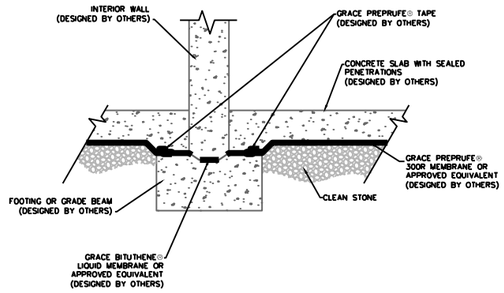
DETAIL 3: TYPICAL VAPOR BARRIER ASSEMBLY AT OUTSIDE CORNER
NOT TO SCALE



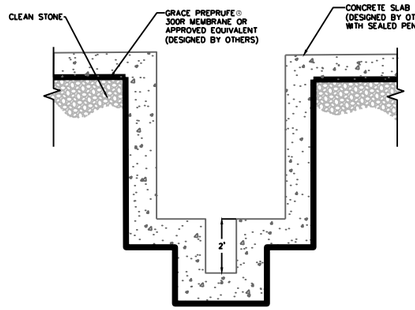
DETAIL 4: TYPICAL VAPOR BARRIER ASSEMBLY AT PENETRATION
NOT TO SCALE



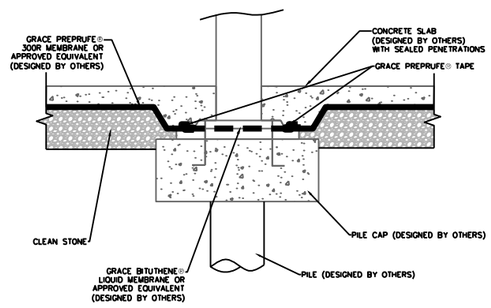
DETAIL 5: TYPICAL VAPOR BARRIER ASSEMBLY AT EXTERIOR FOUNDATION WALL
NOT TO SCALE



DETAIL 6: TYPICAL VAPOR BARRIER ASSEMBLY AT INTERIOR FOUNDATION WALL
NOT TO SCALE



DETAIL 7: TYPICAL ELEVATOR PIT SECTION
NOT TO SCALE



DETAIL 8: TYPICAL DETAIL FOR INTERIOR PILE CAP
NOT TO SCALE

WATERPROOFING/VAPOR BARRIER MEMBRANE SYSTEM NOTES:

1. THE WATERPROOFING/VAPOR BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH APPLICABLE MANUFACTURER GUIDELINES AND DETAILS.
2. THE WATERPROOFING/VAPOR BARRIER SHALL BE INSTALLED BY A MANUFACTURER-CERTIFIED INSTALLER.
3. WATERPROOFING/VAPOR BARRIER SHALL BE INSPECTED BEFORE CONCRETE IS PLACED. ALL PENETRATIONS, HOLES, OR TEARS SHALL BE SEALED BEFORE CONCRETE IS PLACED.
4. WATERPROOFING/VAPOR BARRIER MEMBRANE IS DESIGNED BY OTHERS.

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21 Penn Plaza, 360 West 31st Street, 8th Floor
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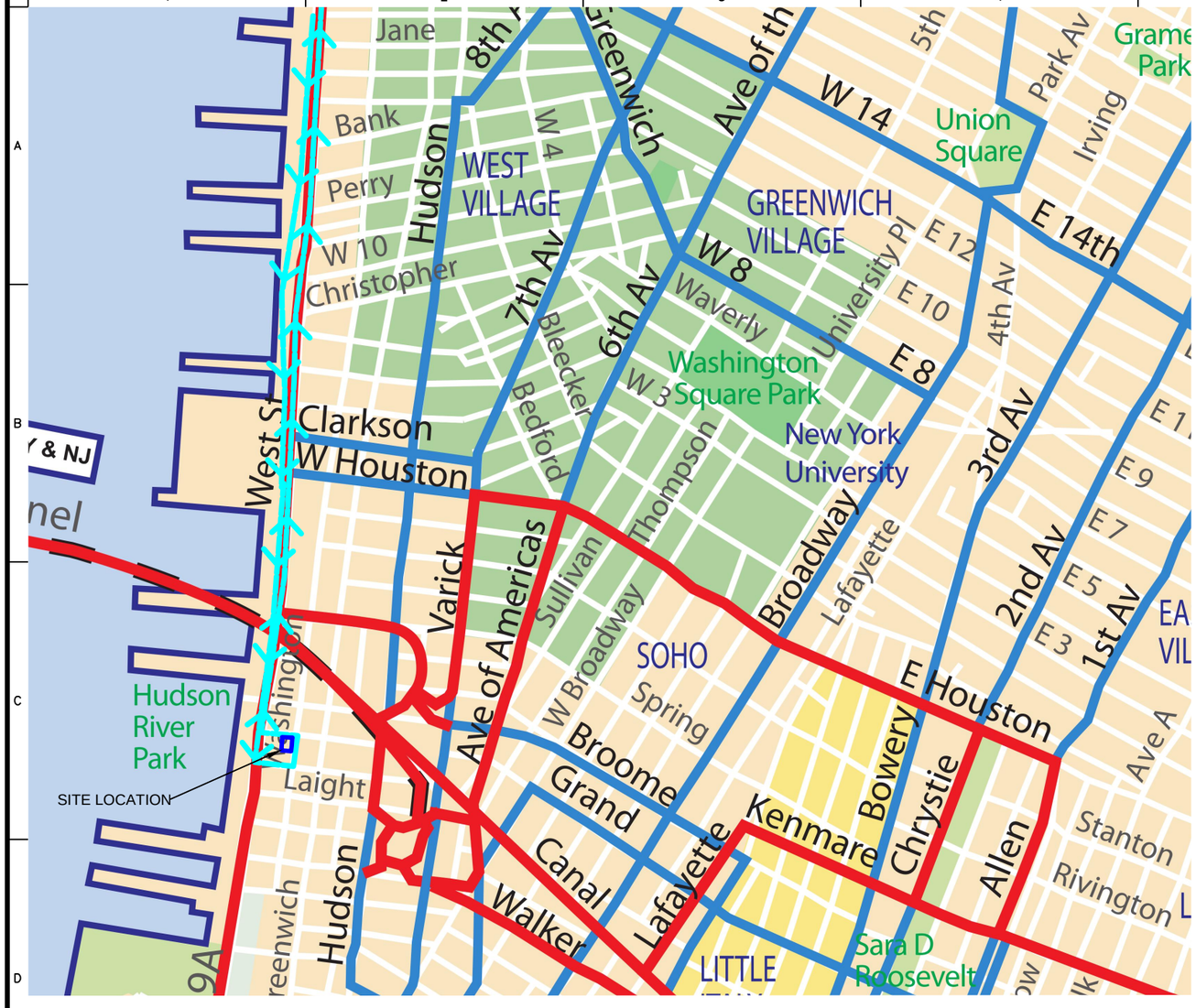
Drawing Title
VAPOR BARRIER/ WATERPROOFING MEMBRANE SYSTEM DETAILS

Project No. 170361501	Drawing No. 8
Date 8/11/2015	
Scale NTS	
Drawn By JL	
Submission Date 8/15/2015	Sheet 8 of 9



LEGEND

- Local Truck Routes
- Limited Local Truck Routes
- Through Truck Routes
- Through Truck Routes on Expressway
- COMMERCIAL VEHICLES PROHIBITED on Parkways and Other Highways
- Principal Streets
- Parks
- Open Space or Cemeteries
- Industrial or Institutional Areas
- Airports
- Interstate Route (278)
- Interstate and Highway Exits (1)
- MTA Bridges and Tunnels / Port Authority of NY & NJ — Transportation Facilty Operator*

LEGEND:

- SITE BOUNDARY
- TRUCK ROUTE

NOTES:

1. AERIAL IMAGE OBTAINED FROM GOOGLE EARTH, IMAGE DATED JUNE 2014.
2. TRUCK ROUTE MAP ADAPTED FROM THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION 2011-2012 NEW YORK CITY TRUCK ROUTE MAP.
3. SITE ACCESS GATE LOCATION MAY CHANGE BASED ON CONSTRUCTION LOGISTICS.

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New York, NY 10001
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Figure Title
TRUCK ROUTE MAP

Project No. 170361501	Figure No. 9
Date 07/30/2015	
Scale NTS	
Drawn By KDC / Checked By BG	
Submission Date 8/15/2015	Sheet 9 of 9

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RAWP\Figure 6 - Truck Route Map.dwg Date: 8/21/2015 Time: 15:50 User: grovalino Style Table: Langan.stb Layout: ANSIB-BL

Tables

Table 1
Track 4 Site-Specific SCOs
440 Washington Street
New York, New York
Langan Project No. 170361501

VOCS (mg/kg)	
1,1,1-Trichloroethane	100
1,1-Dichloroethane	26
1,1-Dichloroethylene	100
1,2,4-Trimethylbenzene	52
1,2-Dichlorobenzene	100
1,2-Dichloroethane	3.1
1,3,5-Trimethylbenzene	52
1,3-Dichlorobenzene	49
1,4-Dichlorobenzene	13
1,4-Dioxane	13
2-Butanone	100
Acetone	100
Benzene	4.8
Carbon tetrachloride	2.4
Chlorobenzene	100
Chloroform	49
cis-1,2-Dichloroethylene	100
Ethyl Benzene	41
Methyl tert-butyl ether (MTBE)	100
Methylene chloride	100
n-Butylbenzene	100
n-Propylbenzene	100
sec-Butylbenzene	100
tert-Butylbenzene	100
Tetrachloroethylene	19
Toluene	100
trans-1,2-Dichloroethylene	100
Trichloroethylene	21
Vinyl Chloride	0.9
Xylenes, Total	100
Metals (mg/kg)	
Arsenic	25
Barium	400
Beryllium	72
Cadmium	4.3
Chromium, hexavalent	110
Chromium, trivalent	180
Copper	350
Lead	1000
Manganese	2000
Mercury	2.5
Nickel	310
Selenium	180
Silver	180
Zinc	10000

SVOCS (mg/kg)	
Total SVOCs	500
PCBs/Pesticides (mg/kg)	
2,4,5-TP Acid (Silvex)	100
4,4'-DDE	8.9
4,4'-DDT	7.9
4,4'-DDD	13
Aldrin	0.097
alpha-BHC	0.48
beta-BHC	0.36
Chlordane (alpha)	4.2
delta-BHC	100
Dibenzofuran	59
Dieldrin	0.2
Endosulfan I	24
Endosulfan II	24
Endosulfan sulfate	24
Endrin	11
Heptachlor	2.1
Lindane	1.3
Polychlorinated biphenyls	1

Notes:
SCO: Soil Cleanup Objective
SVOC: semivolatile organic compound
VOC: volatile organic compound
PCB: polychlorinated biphenyl
mg/kg: milligram per kilogram

Appendix A
Proposed Development Plans

PONTE RESIDENCES

440 WASHINGTON STREET, NEW YORK, NY 10013

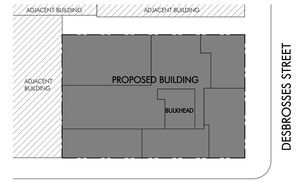
DRAWING LIST			
Page	DWG #	DRAWING NAME	ISSUE DATE
1	T-001.00	COVER SHEET	08/26/15
2	Z-001.00	ZONING	08/26/15
3	G-001.00	FEMA MAP	08/26/15
4	G-002.00	BUILDING CODE ANALYSIS	08/26/15
5	G-003.00	GENERAL NOTES	08/26/15
6	G-004.00	ADA NOTES	08/26/15
7	C-001.00	SURVEY	08/26/15
8	A-001.00	SITE PLAN	08/26/15
9	A-110.00	CELLAR PLAN	08/26/15
10	A-111.00	GROUND FLOOR PLAN	08/26/15
11	A-112.00	2ND FLOOR PLAN	08/26/15
12	A-113.00	TYPICAL FLOOR PLAN (3RD-8TH)	08/26/15
13	A-114.00	9TH FLOOR PLAN	08/26/15
14	A-115.00	10TH FLOOR PLAN	08/26/15
15	A-116.00	ROOF PLAN	08/26/15
16	A-117.00	BULKHEAD PLAN	08/26/15
17	A-200.00	EAST ELEVATION - WASHINGTON STREET	08/26/15
18	A-201.00	NORTH ELEVATION - DESBROSSES STREET	08/26/15
19	A-300.00	SECTION	08/26/15
20	A-900.00	PERSPECTIVE VIEW	08/26/15

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

COVER SHEET

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T 212.675.6470 F 212.675.6728

SEAL & SIGNATURE:

DRAWING #:

T-001.00

DATE:
08/26/15

JOB #:
14J15

DRAWN BY:
SP

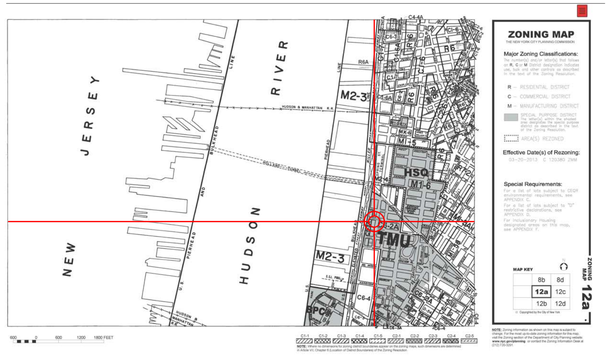
BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:52:42 AM

ZONING MAP



AREA & DISTRIBUTION CHART

440 WASHINGTON STREET

DISTRIBUTION CHART

FLOOR	UNIT TYPE 1 BR	2 BR	3 BR	TOTAL
CELLAR	0	0	0	0
1st	0	0	0	0
2nd	0	3	1	4
3rd	1	5	0	6
4th	1	5	0	6
5th	1	5	0	6
6th	1	5	0	6
7th	1	5	0	6
8th	1	5	0	6
9th	1	2	1	4
10th	0	1	0	1
TOTAL	7	36	2	45

FLOOR AREA CALCULATIONS

FLOOR	GROSS SF/FL	Sec 1210 ZR DEDUCTIONS BY DEFINITION: CELLAR	MECH SF/FL	PARKING	EXT. WALL 8" THICK	GROSS ZONING	QUALITY HOUSING PROGRAM DEDUCTIONS: Sec 28-41 SOB/PH <10 DU/FL	Sec 28-25 SOB/PH NATURAL LIGHT	REC. SPACE	TRASH ROOM	ZONING FLOOR AREA: COMMERCIAL	RESIDENTIAL	TOTAL
CELLAR	4,176.00	4,176.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1st	8,030.00	0.00	626.00	3,201.00	195.00	4,008.0	75.00	347.00	0.00	12.00	0.00	2,336.00	1,250.00	3,586.00
2nd	5,005.00	0.00	119.00	0.00	182.00	4,704.0	148.00	0.00	0.00	12.00	0.00	4,544.00	4,544.00
3rd	6,289.00	0.00	159.00	0.00	243.00	5,887.0	160.00	0.00	0.00	12.00	0.00	5,715.00	5,715.00
4th	6,289.00	0.00	159.00	0.00	243.00	5,887.0	160.00	0.00	0.00	12.00	0.00	5,715.00	5,715.00
5th	6,289.00	0.00	159.00	0.00	243.00	5,887.0	160.00	0.00	0.00	12.00	0.00	5,715.00	5,715.00
6th	6,289.00	0.00	159.00	0.00	243.00	5,887.0	160.00	0.00	0.00	12.00	0.00	5,715.00	5,715.00
7th	6,289.00	0.00	159.00	0.00	243.00	5,887.0	160.00	0.00	0.00	12.00	0.00	5,715.00	5,715.00
8th	6,289.00	0.00	159.00	0.00	243.00	5,887.0	160.00	0.00	0.00	12.00	0.00	5,715.00	5,715.00
9th	4,602.00	0.00	106.00	0.00	243.00	4,253.0	152.00	76.00	0.00	12.00	0.00	4,013.00	4,013.00
10th	3,139.00	0.00	32.00	0.00	77.00	3,030.0	141.00	141.00	1,235.00	12.00	0.00	1,501.00	1,501.00
TOTAL	70,587.00	4,176.00	1,837.00	3,201.00	2,155.00	59,321.0	1,476.00	364.00	1,235.00	108.00	2,336.00	45,598.00	47,934.00

ZONING

440 WASHINGTON STREET
NEW YORK, NY 10013

BLOCK:223
LOT: 5
ZONING MAP: 12a
ZONE: C6-2A/R8A
Special Purpose District: Tribeca Mixed Use District (TMU), A5

Lot Dimensions: 73.25' x 110.08' = 8,063.36 sf
Lot 20 Air Rights: Lot Area = 1855.5 sf

DEFINITIONS Article I Chapter 2

Sec. 12-10 ZR Base Plane Elevation

Desbrosses Street $\frac{7.49 + 8.23}{2}$ x 73.25' = 575.75

Washington Street $\frac{8.23 + 8.56}{2}$ x 110.08' = 924.12

Average Base Plane Elevation $\frac{575.75 + 924.12}{183.33'}$ = 8.18'

PARKING REGULATIONS Article I Chapter 3

Sec. 13-10 ZR Off-Street Parking in Manhattan Core

No parking shall be required within the Manhattan Core

Sec. 13-11 ZR Permitted Parking for Residences

Community District 1 - Maximum # of Accessory Parking Spaces:
20% of DU = 0.20 x 45 = 9 spaces
Total Proposed Accessory Parking Spaces = 7 spaces

USE REGULATIONS Article II Chapter 2

Sec. 22-10 ZR Uses Permitted as of Right

Proposed Use:

Residential
Use Group 2 - Multifamily (Compliant)

BULK REGULATIONS Article II Chapter 3

Sec. 23-145 ZR Quality Housing Standards

Floor Area Ratio (111-20d ZR): 5.5
Allowable Floor Area:
8063.36 x 5.5 = 44,348.48 sf
Lot 20 Available FAR to be Transferred: 2.5
Allowable Floor Area:
1855.5 x 2.5 = 4,638.75 sf
Total Allowable Floor Area:
44,348.48 + 4,638.75 = 48,987.23 sf

Proposed Gross Floor Area: 62,686 sf
Quality Housing Program Deductions 3,383 sf
Deductions by Definition (12-10 ZR) 11,369 sf
Total Proposed Zoning Floor Area: 47,934 sf

Max. Allowable Lot Coverage (Corner Lot) 80%
(8,063.36 SF x 0.80) = 6,450.7 sf
Proposed Lot Coverage: 6,289 sf (78%)

Sec. 23-22 ZR Max. # of Dwelling Units

Max Allowable Floor Area ÷ 740
48,491.9 ÷ 740 = 65 DU
Proposed # of Dwelling Units 45 DU

BULK REGULATIONS Article II Chapter 3

Sec. 23-621c ZR Dormer Calculation

WASHINGTON STREET	DESBROSSES STREET
Width of Dormer = 39'-8"	Width of Dormer = 35'-1"
Total Building Frontage = 110'-1"	Total Building Frontage = 73'-3"
Dormer as % of Total Frontage = **36.0%**	Dormer as % of Total Frontage = **47.9%**
Height of Dormer above Max. Base Height = 79'-2" - 70'-0" = 9'-2" = 9.17'	Height of Dormer above Max. Base Height =79'-2" - 70'-0" = 9'-2" = 9.17'
Max. Allowable % of Frontage = 60% - 9.17 = 50.83% (Compliant)	Max. Allowable % of Frontage = 60% - 9.17 = 50.83% (Compliant)

SPECIAL URBAN DESIGN GUIDELINES Article II Chapter 6

Sec. 26-41 ZR Street Tree Planting

One (1) street tree required per 25' of street frontage
Total Street Frontage = 183'-4"
Required # of trees = 183'-4" / 25' = 7 trees
Existing trees = 0 trees
Provided trees = 5 trees
Planting all required trees is infeasible adjacent to zoning lot.
Remaining (2) tree may be planted off-site as determined by the Department of Parks and Recreation.

USE REGULATIONS Article III Chapter 2

Sec. 32-10 ZR Uses Permitted as of Right

Proposed Use:

Commercial
Use Group 6A - Convenience Retail or Service Establishment
Eating or drinking establishment

REGULATIONS IN FLOOD HAZARD AREAS Article VI Chapter 4

Sec. 64-131 ZR Measurement of Height

All measurements of height shall be measured from the flood-resistant construction elevation.
Flood-resistant construction elevation =
Base Flood Elevation (BFE)+1 = 12.00'+1 = 13.00' (Survey Height)
*See FEMA Flood Insurance Rate Map 3604970182G (G-001)

SPECIAL TRIBECA MIXED USE DISTRICT Article I Chapter 1

Sec. 111-13b (4) ZR Additional Use Regulations

Use Group 6A
Maximum Floor Area for Use on Narrow Street
Including Applicable Cellar Floor Area 5,000 sf

Proposed Commercial Floor Area
Cellar 1,128 sf
Ground Floor 2,336 sf
Total Proposed Commercial Floor Area = 3,464 sf

Sec. 111-120d ZR Area A5 (Sec. 111-03)

		Survey Height
Minimum Base Height:	60'-0" (above BFE+1) =	73.00'
Maximum Base Height:	70'-0" (above BFE+1) =	83.00'
Proposed Base Height:	69.17' + BFE + 1 =	**82.17'** (Compliant)
Maximum Building Height:	110'-0" (above BFE+1) =	123.0'
Proposed Building Height:	89.17' + BFE + 1 =	**102.17'** (Compliant)
Minimum Setback (Narrow Street):	15'-0"	
Proposed Minimum Setback:	17'-4"	
Maximum FAR:	5.5	

QUALITY HOUSING PROGRAM COMPLIANCE Article II Chapter 8

Sec 28-21 ZR Size of Dwelling Units
All dwelling units exceed 400 sf floor area
Minimum DU area = 629 sf

Sec 28-22 ZR Windows
All windows to be double glazed.

Sec 28-23 ZR Refuse Storage and Disposal
Trash room at each floor is 39sf > 12 sf.
Deduction of 12 sf gross zoning floor area:
12 x 9 = **108 sf deduction**

Required storage and removal location:
2.9 cubic feet per dwelling unit
2.9 cf x 45 D.U. = 130.5 cf
Provided storage and removal = 89 sf x 9' ceiling = 801 cf

Sec 28-24 ZR Laundry Facilities
Laundry Room Requirement (45 Dwelling Units)
1 washer/20 D.U. = 2 washer(s)
1 dryer /40 D.U. = 1 dryer(s)
Washers provided 3
Dryers provided 3
Minimum area for folding 3 sf/ machine
6 machines x 3sf = 18 sf
Folding area provided = 30 sf

Sec 28-25 ZR Daylight in Corridors
At least 20sf of window is provided at 1st floor lobby and vestible, and at 9th-10th floor corridors.
50% of corridor may be deducted from total zoning floor area

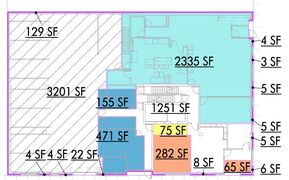
1st Floor Vestibule = 131 sf x 0.5 = 65 sf
1st Floor Lobby = 564 sf x 0.5 = 282 sf
9th Floor Corridor = 152 sf x 0.5 = 76 sf
10th Floor Corridor = 282 sf x 0.5 = 141 sf
Total Deduction = 564 sf

Sec 28-31 ZR Required Recreation Space
2.8% of Total Allowable Residential Floor Area
.028 x 48,491.9 sf = 1357.8 sf
Proposed Interior Recreation Space = **1235 sf**
Proposed Exterior Recreation Space (10th Fl&R)= 577.3+1140.3=1717.6sf
Total Proposed Recreation Space = 2952.6 sf

Sec 28-41 ZR Density per Corridor
Density in corridors: If # of units is < 10 per floor, 50% of corridor may be deducted from total zoning floor area.

1st Floor Elevator Lobby = 150 sf x 0.5 = 75 sf
2nd Floor Corridor = 296 sf x 0.5 = 148 sf
3rd - 8th Floor Corridor = 320 sf x 0.5 x 6 = 960 sf
9th Floor Corridor = 304 sf x 0.5 = 152 sf
10th Floor Corridor = 282 sf x 0.5 = 141 sf
Total Deduction = 1476 sf

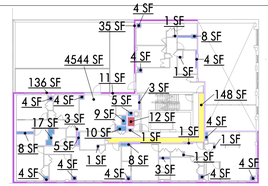
ZONING AREA PLANS



GROSS AREA = 8,030 SF

2,336 SF	COMMERCIAL	1,190 SF	FLOOR AREA
75 SF	CORRIDOR	626 SF	MECH
347 SF	DAYLIGHT CORRIDOR	3,201 SF	PARKING
195 SF	EXTERIOR WALL		

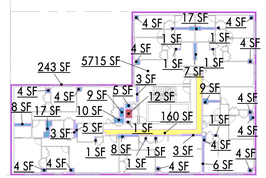
1 GROUND FLOOR 1/32" = 1'-0"



GROSS AREA = 5,005 SF

148 SF	CORRIDOR	119 SF	MECH
182 SF	EXTERIOR WALL	12 SF	TRASH
4,544 SF	FLOOR AREA		

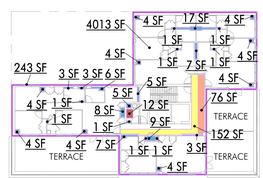
2 2ND FLOOR 1/32" = 1'-0"



GROSS AREA = 6,289 SF x 6 = 37,734 SF

160 SF	CORRIDOR	159 SF	MECH
243 SF	EXTERIOR WALL	12 SF	TRASH
5,715 SF	FLOOR AREA		

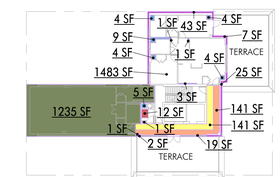
3 3RD-8TH FLOOR (TYP) 1/32" = 1'-0"



GROSS AREA = 4,602 SF

152 SF	CORRIDOR	4,013 SF	FLOOR AREA
76 SF	DAYLIGHT CORRIDOR	106 SF	MECH
243 SF	EXTERIOR WALL	12 SF	TRASH

4 9TH FLOOR 1/32" = 1'-0"



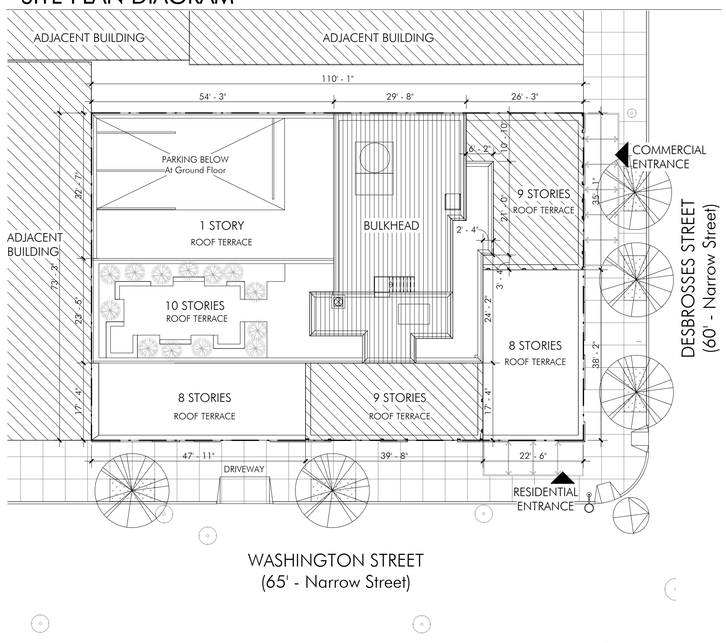
GROSS AREA = 3,139 SF

1,235 SF	COMMUNITY FACILITY	1,483 SF	FLOOR AREA
141 SF	CORRIDOR	32 SF	MECH
141 SF	DAYLIGHT CORRIDOR	12 SF	TRASH
77 SF	EXTERIOR WALL		

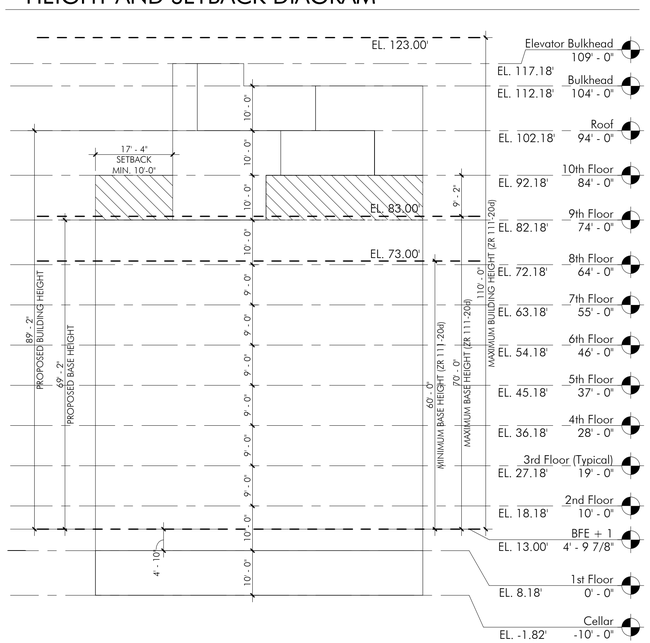
5 10TH FLOOR 1/32" = 1'-0"

AIR RIGHTS TRANSFER DIAGRAM

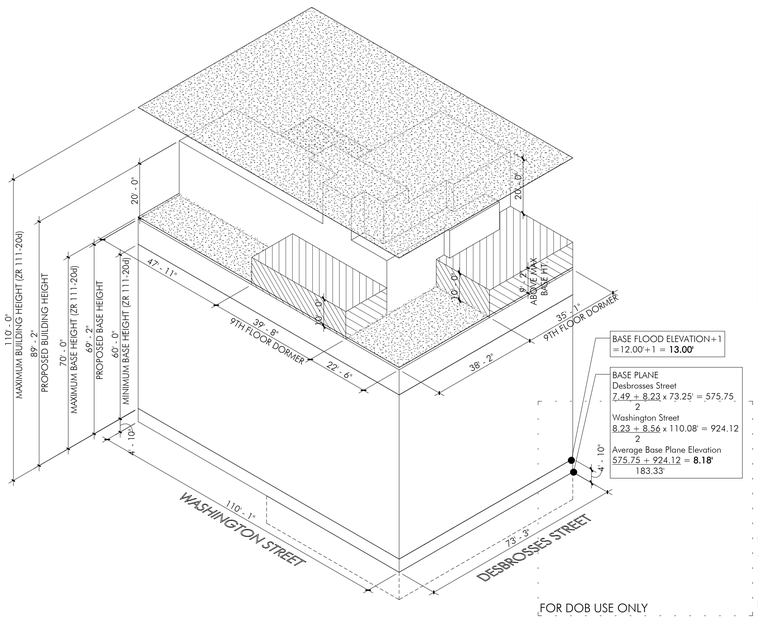
SITE PLAN DIAGRAM



HEIGHT AND SETBACK DIAGRAM



AXONOMETRIC DIAGRAM



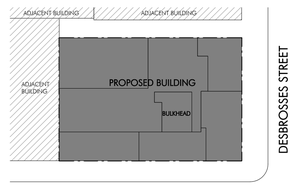
FOR DOB USE ONLY

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

ZONING

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
:212.675.6470 :212.675.6728

SEAL & SIGNATURE:

DRAWING #: Z-001.00

DATE: 08/26/15

JOB #: 14J15

DRAWN BY: SP

BIS #:

SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

8/27/2015 11:25:30 AM

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) **and/or floodways** have been determined, users are encouraged **to consult** the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent **rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of** construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations tables in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations tables should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway **widths and other pertinent floodway data are provided in the Flood Insurance** Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures.** Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York Long Island State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. **These flood elevations must be compared to structure and** ground elevations referenced to the same **vertical datum**. For information **regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey** at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks shown on this map, please contact the Information Services Branch of the** National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York (DoITT). This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated April 2008.

This map reflects more detailed and up-to-date **stream channel configurations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

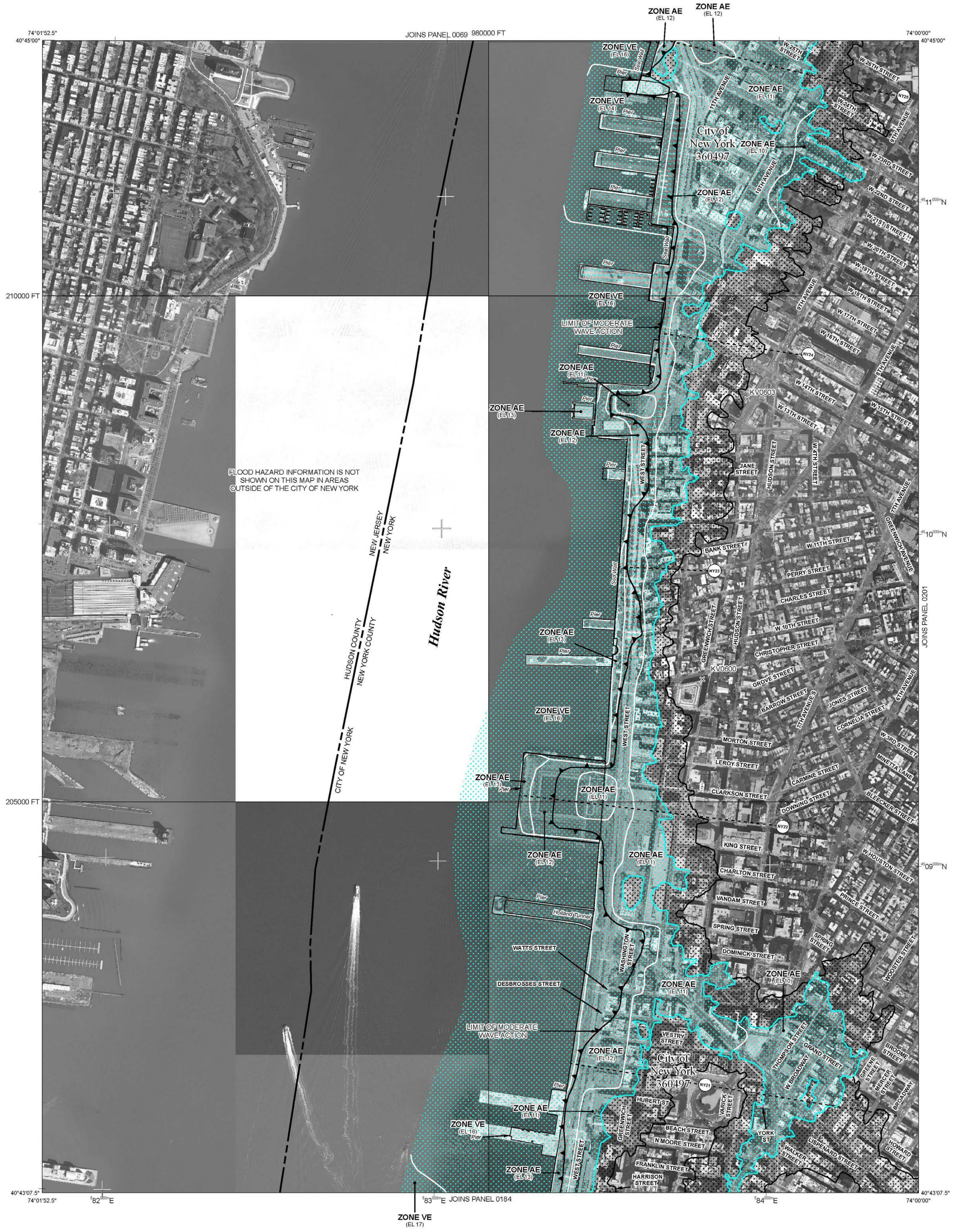
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

The AE Zone category has been divided by a **Limit of Moderate Wave Action (LiMWA)**. The LiMWA represents the approximate landward limit of the 1.5 - foot breaking wave. The effects of wave hazards between the VE Zone and the LiMWA (or between the shoreline and the LiMWA for areas where VE Zones are not identified) will be similar to, but less severe than those in the VE Zone.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at **1-877-FEMA-MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

🟦 SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

▨ FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

▒ OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

☐ OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

▨ COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

▨ OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

───	1% annual chance floodplain boundary
───	0.2% annual chance floodplain boundary
— — —	Floodway boundary
— —— —·—	Zone D boundary
••••••••	CBRS and OPA boundary
═══	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
▲──▲──▲	Limit of Moderate Wave Action
〰 513 〰	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

Ⓐ───Ⓐ	Cross section line
㉓- - - -㉓	Transect line
- - - -	Culvert, Flume, Penstock or Aqueduct
═	Road or Railroad Bridge
═	Footbridge
87°07'45", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
$^{24}76^{000m}$N	1000-meter Universal Transverse Mercator grid values, zone 18
600000 FT	5000-foot grid values: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
● M1.5	River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS

For descriptions of revisions see Notice to Users page in the Flood Insurance Study report.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 150 300 METERS

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0182G

FIRM
FLOOD INSURANCE RATE MAP

CITY OF,
NEW YORK
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 182 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0182	G

PRELIMINARY
DECEMBER 5, 2013

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970182G

MAP REVISED

Federal Emergency Management Agency

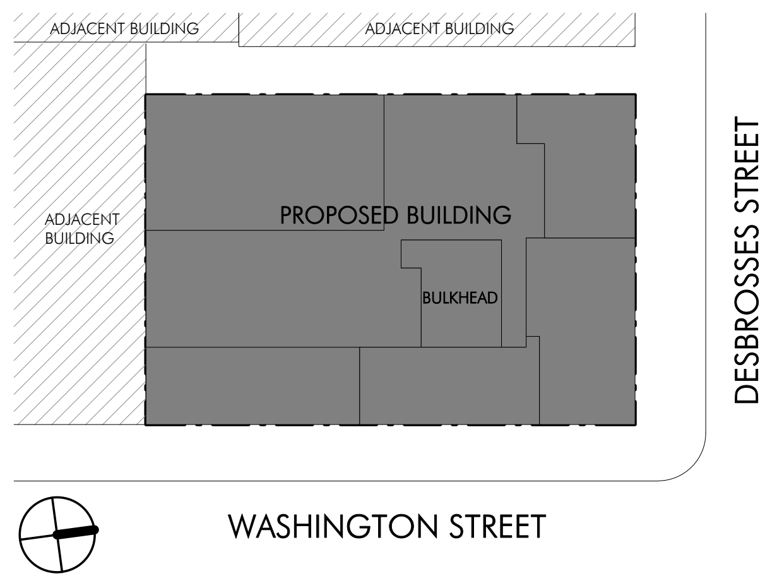
FOR DOB USE ONLY

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

FEMA MAP

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T.212.675.6470 F.212.675.6728

SEAL & SIGNATURE:

DRAWING #:

G-001.00

DATE:
08/26/15

JOB #:
14J15

DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

3 OF 20

8/27/2015 11:22:35 AM

2014 NYC BUILDING CODE REQUIREMENTS

CHAPTER 3 - USE AND OCCUPANCY
SECTION 310.1.2 OCCUPANCY CLASSIFICATION GROUPS R-2 & B
USE GROUPS 2 & 6A

CHAPTER 5 - GENERAL BUILDING HEIGHTS AND AREAS SEPARATION OF OCCUPANCIES
SECTION 501 GENERAL
SECTION 501.2 ADDRESS IDENTIFICATION - ADDRESS NUMBERS IN EXCESS OF 4" ON CONTRASTING BACKGROUND PROVIDED.
SECTION 501.3 FIRE DEPARTMENT ACCESS
SECTION 501.3.1 FRONTAGE - BUILDING FRONTAGE SHALL BE AT LEAST 8% OF TOTAL BUILDING PERIMETER ADJOINING A STREET OR FRONTAGE SPACE
SECTION 501.3.2 BUILDING ACCESS - NOT REQUIRED AS PER EXCEPTION FOR ABOVE GRADE FLOORS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM, BELOW GRADE ACCESS DIRECTLY TO THE EXTERIOR PROVIDED VIA A DOOR TO THE EXTERIOR THROUGH AN ENCLOSED FIRE STAIR.

SECTION 503 GENERAL HEIGHT AND AREA LIMITATIONS
SECTION 503.1 GENERAL - HEIGHT AND AREA LIMITATIONS FOR BUILDINGS SHALL BE AS PER TABLE 503

TABLE 503: HEIGHT AND AREA LIMITS PER CONSTRUCTION CLASSIFICATION 1B & R2 OCCUPANCY

CONSTRUCTION CLASS	ALLOWABLE HEIGHT STORIES/FEET	PROPOSED HEIGHT STORIES/FEET	ALLOWABLE AREA/FLOOR	LARGEST PROPOSED AREA/FLOOR
1B	UL/UL	10/87.67	UNLIMITED	7,631 SF

SECTION 508 MIXED USE AND OCCUPANCY
SECTION 508.4.4 SEPARATION - INDIVIDUAL OCCUPANCIES SHALL BE SEPARATED AS PER TABLE 508.4 FOR SPRINKLERED BUILDINGS
SECTION 508.4.4.1 CONSTRUCTION - SEPARATIONS SHALL COMPLY WITH SECTION 707 OR SECTION 712 AS APPLICABLE

TABLE 508.4: REQUIRED SEPARATION OF OCCUPANCIES (HOURS)

OCCUPANCIES TO BE SEPARATED	SEPARATION REQUIRED	SEPARATION PROVIDED
B AND R-2	1 HOUR	1 HOUR

SECTION 509 INCIDENTAL USES
SECTION 509.4 SEPARATION AND PROTECTION - INCIDENTAL USE AREAS SHALL BE SEPARATED AS PER TABLE 509

TABLE 509: INCIDENTAL USES

ROOM OR AREA	SEPARATION REQUIRED	SEPARATION PROVIDED
FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 350,000 BTUH INPUT	2 HOUR	2 HOUR
MECHANICAL AND/OR ELECTRICAL EQUIPMENT	1 HOUR OR AUTOMATIC SPRINKLER SYSTEM	2 HOUR
LAUNDRY ROOMS OVER 100 SF	1 HOUR OR AUTOMATIC SPRINKLER SYSTEM	AUTOMATIC SPRINKLER SYSTEM
STORAGE ROOMS OVER 100 SF	1 HOUR OR AUTOMATIC SPRINKLER SYSTEM	2 HOUR
WASTE AND LINEN COLLECTION ROOMS OVER 100 SF	1 HOUR OR AUTOMATIC SPRINKLER SYSTEM	3 HOUR

CHAPTER 6 - TYPES OF CONSTRUCTION
SECTION 602 CONSTRUCTION CLASSIFICATION
SECTION 602.1 GENERAL - CONSTRUCTION CLASSIFICATION- 1B AS PER SECTION 602.2, NON COMBUSTIBLE CONSTRUCTION GROUP AND FIRE RESISTANCE REQUIREMENTS FOR BUILDING ELEMENTS SHALL BE AS PER TABLE 601

TABLE 601: FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS - CLASS 1B

BUILDING ELEMENT	REQUIRED FIRE RATING	PROPOSED FIRE RATING
PRIMARY STRUCTURAL FRAME	2 1 SUPPORTING ROOFS ONLY	2 1 AT 8TH & 9TH FLOOR ROOFS
BEARING WALLS INTERIOR	2	2
BEARING WALLS EXTERIOR	2	2
NON-BEARING WALLS EXTERIOR AS PER TABLE 602	1 LESS THAN 30 FEET 0 GREATER THAN 30 FEET	1 MIN
NON-BEARING WALLS INTERIOR	0	1 BET DWELLING UNITS 2 @ PUBLIC HALL 2 @ STAIR ENCLOSURES
FLOOR CONSTRUCTION	2	3
ROOF CONSTRUCTION	1	3 1 AT 10TH FLOOR ROOF

CHAPTER 7 - FIRE RESISTIVE RATED CONSTRUCTION
SECTION 705 EXTERIOR WALLS
SECTION 705.8.1 ALLOWABLE AREA OF OPENINGS - PROTECTED AND UNPROTECTED OPENINGS IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM INSTALLED IN ACCORDANCE WITH 903.3.1.1 THROUGHOUT ALL SPACES SHALL COMPLY WITH TABLE 705.8

TABLE 705.8: MAXIMUM AREA OF EXTERIOR WALL OPENINGS (PROTECTED)

FIRE SEPARATION DISTANCE (feet)	ALLOWABLE AREA	PROPOSED AREA
0 TO 3	10% IN R2 OCCUPANCY	10%
GREATER THAN 3 NOT GREATER THAN 5	15%	NA
GREATER THAN 5 NOT GREATER THAN 10	25%	7%
GREATER THAN 10 NOT GREATER THAN 15	45%	NA
GREATER THAN 15 NOT GREATER THAN 20	75%	NA
GREATER THAN 20 NOT GREATER THAN 25	NO LIMIT	
GREATER THAN 25 NOT GREATER THAN 30	NO LIMIT	
GREATER THAN 30	NO LIMIT	

SECTION 705.8.2 PROTECTED OPENINGS - FIRE DOOR AND FIRE SHUTTERS SHALL COMPLY WITH SECTION 715.4

SECTION 707 FIRE BARRIERS
SECTION 707.3 FIRE-RESISTANCE RATING - THE FIRE-RESISTANCE RATING OF FIRE BARRIERS SHALL COMPLY WITH THE FOLLOWING SECTIONS:
SECTION 707.3.1 SHAFT ENCLOSURES - SECTION 708.4
SECTION 707.3.2 EXIT ENCLOSURES - SECTION 1022.1
SECTION 707.3.3 EXIT PASSAGEWAY - SECTION 1023.1
SECTION 707.3.4 HORIZONTAL EXIT - SECTION 1025.1
SECTION 707.3.6 INCIDENTAL USE AREAS - TABLE 509
SECTION 707.3.8 SEPARATED OCCUPANCIES - SECTION 508.4
SECTION 707.4 EXTERIOR WALLS - SECTION 705
SECTION 707.6 OPENINGS - SECTION 715

SECTION 708 SHAFT ENCLOSURES
SECTION 708.4 FIRE-RESISTANCE RATING - SHAFT ENCLOSURES SHALL HAVE THE FOLLOWING FIRE-RESISTIVE RATINGS:
PENETRATING 3 STORIES OR MORE - 2HR
PENETRATING LESS THAN 3 STORIES - 1HR
SECTION 708.5 CONTINUITY - EXTENSION OF SHAFT WALLS ABOVE ROOFS:
TO BE CONSTRUCTED AS PER SECTION 707 (FIRE BARRIERS) AND/OR SECTION 712 (HORIZONTAL ASSEMBLIES).
COMBUSTIBLE ROOF CONSTRUCTION - 30 INCHES
NON-COMBUSTIBLE ROOF CONSTRUCTION - 0 INCHES/TERMINATE AT ROOF SLAB/DECK REFUSE OR LAUNDRY CHUTES - 6 FEET

SECTION 712 HORIZONTAL ASSEMBLIES
SECTION 712.3 FIRE-RESISTANCE RATING - FLOOR AND ROOF ASSEMBLIES SHALL NOT BE LESS THAN INDICATED IN TABLE 601. HORIZONTAL SEPARATION OF MIXED OCCUPANCIES SHALL BE AS PER TABLE 508.4. HORIZONTAL SEPARATION OF DWELLING UNITS SHALL BE MIN 1HR RATED CONSTRUCTION.

SECTION 715 OPENING PROTECTIVES
SECTION 715.4 FIRE DOOR AND SHUTTER ASSEMBLIES - FIRE PROTECTION RATINGS SHALL BE AS PER TABLE 715.4

TABLE 715.4: FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS

TYPE OF ASSEMBLY	REQUIRED ASSEMBLY RATING (HOURS)	PROPOSED FIRE DOOR AND FIRE SHUTTER ASSEMBLY RATING (HOURS)
FIRE WALLS AND FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTIVE RATING GREATER THAN 1 HOUR	4 3 2 1 1/2	3 3 1 1/2 1 1/2
FIRE BARRIERS HAVING A REQUIRED FIRE-RESISTIVE RATING OF 1 HOUR: SHAFT, EXIT ENCLOSURE, AND EXIT PASSAGEWAY WALLS OTHER FIRE BARRIERS	 1 1	 1 3/4
FIRE PARTITIONS: CORRDIOR WALLS OTHER PARTITIONS	 1 1	 3/4 3/4
EXTERIOR WALLS	3 2 1	1 1/2 1 1/2 3/4

SECTION 715.4.7 GLAZING MATERIAL - FIRE-PROTECTION-RATED GLAZING IN FIRE DOOR ASSEMBLIES SHALL COMPLY WITH TABLE 715.5.4. GLAZING IN FIRE DOORS SHALL BE RATED IN ACCORDANCE WITH TABLE 715.5.4.

TABLE 715.5.4: FIRE DOOR AND FIRE SHUTTER FIRE PROTECTION RATINGS

OPENING FIRE PROTECTION RATING	MAXIMUM AREA (SQUARE INCHES)	MAXIMUM HEIGHT (INCHES)	MAXIMUM WIDTH (INCHES)
3 HOURS	0	0	0
1 1/2-HOUR DOORS IN EXTERIOR WALLS	0	0	0
1 AND 1 1/2 HOURS	100	33	10
3/4 HOURS	1,296	54	54
FIRE WINDOW ASSEMBLIES	1,296	54	54

CHAPTER 8 - INTERIOR FINISHES

SECTION 803 WALL AND CEILING FINISHES
SECTION 803.1 GENERAL - INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH SECTION 803.1.1 OR 803.1.2.
SECTION 803.1.1 FLAME-SPREAD AND SMOKE-DEVELOPMENT TESTS - INTERIOR WALL AND CEILING FINSHES SHALL BE TESTED AND ACCORDED INDICIES FOR FLAME SPREAD AND SMOKE DEVELOPMENT IN ACCORDANCE WITH ASTM E 84 OR UL 723
SECTION 803.1.1.1 CLASSIFICATION OF FLAME SPREAD INDICIES - INTERIOR FINISH MATERIALS SHALL BE GROUPED BY FLAME SPREAD INDEX
CLASS A : FLAME SPREAD 0-25
CLASS B : FLAME SPREAD 26-75
CLASS C : FLAME SPREAD 76-200

SECTION 803.1.1.2 INTERIOR FINISH REQUIREMENTS BASED UPON OCCUPANCY GROUP - INTERIOR WALL AND CEILING FINISHES SHALL HAVE A FLAME SPREAD INDEX NOT GREATER THAN AS SPECIFIED IN TABLE 803.1 FOR SPRINKLERED BUILDINGS.

TABLE 803.1: INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANCY (SPRINKLERED)

OCCUPANCY GROUP	VERTICAL EXITS AND EXIT PASSAGEWAYS	EXIT ACCESS CORRIDORS AND OTHER EXITWAYS	ROOMS AND ENCLOSED SPACES
B	B	B	B
R-2	B	B	C

CHAPTER 9 - FIRE PROTECTION SYSTEMS

SECTION 903 AUTOMATIC SPRINKLER SYSTEMS
SECTION 903.2.8 GROUP R - AN AUTOMATIC SPRINKLER SYSTEM IS TO BE INSTALLED IN ACCORDANCE WITH 903.2 THROUGHOUT ALL SPACES. TO BE FILED UNDER A SEPARATE APPLICATION
SECTION 903.3.1.1 NFPA 13 SPRINKLER SYSTEMS - AN AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 13 AS MODIFIED BY APPENDIX Q OF THE 2014 NYC BUILDING CODE.
SECTION 903.3.2 QUICK RESPONSE AND RESIDENTIAL SPRINKLERS - QUICK RESPONSE AND RESIDENTIAL SPRINKLERS ARE TO BE INSTALLED IN ACCORDANCE WITH 903.3.1.

SECTION 905 STANDPIPE SYSTEMS
SECTION 905.3.1 APPLICABILITY - CLASS 1 STANDPIPES ARE ALLOWED IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SYSTEM.

SECTION 907 FIRE ALARM AND DETECTION SYSTEMS
SECTION 907.2.9 GROUP R-2 - A FIRE ALARM SYSTEM WITHOUT ALARM NOTIFICATION SHALL BE PROVIDED IN ACCORDANCE WITH 907.2.9.

CHAPTER 10 - MEANS OF EGRESS

SECTION 1004 OCCUPANT LOAD
SECTION 1004.1.2 NUMBER BY TABLE 1004.1.2- OCCUPANT LOAD CALCULATED BY TABLE 1004.1.1

TABLE 1004.1.1: MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

USE OF SPACE	FLOOR AREA IN SF PER OCCUPANT
RESIDENTIAL	200 GROSS WITHIN DWELLING UNITS
PARKING	200 GROSS
ACCESSORY STORAGE/MECH. EQUIPMENT	300 GROSS
ASSEMBLY - WITHOUT FIXED SEATS	15 NET

TOTAL RESIDENTIAL OCCUPANT LOAD/FLOOR - 4,814 GROSS SF WITHIN UNITS, DIVIDED BY 200 GSF PER TABLE 1004.1.1.
TOTAL = 24 OCCUPANTS PER FLOOR

SECTION 1005 EGRESS WIDTH
SECTION 1005.1 MINIMUM REQUIRED EGRESS WIDTH - THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL NOT BE LESS THAN THE RESULTS OF THE FOLLOWING CALCULATIONS:

STAIRWAYS: TOTAL OCCUPANT LOAD SERVED BY SAID MEANS OF EGRESS x 0.3 INCHES PER OCCUPANT
OTHER EGRESS COMPONENTS: TOTAL OCCUPANT LOAD SERVED BY SAID MEANS OF EGRESS x 0.2 INCHES PER OCCUPANT

REQUIRED STAIRWAY WIDTH = 216 OCCUPANTS x 0.3 = 64.8 IN./2 STAIRWAYS = 32.4 IN. EA.
REQUIRED WIDTH OF OTHER COMPONENTS = 216 OCCUPANTS x 0.2= 43.2 INCHES

SECTION 1005.2 DOOR ENCROACHMENT - WHEN FULLY OPENED, DOORS SHALL NOT REDUCE THE REQUIRED MEANS OF EGRESS WIDTH BY MORE THAN 7 INCHES. DOORS IN ANY POSITION SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN ONE-HALF.

SECTION 1007 ACCESSIBLE MEANS OF EGRESS
SECTION 1007.1 ACCESSIBLE MEANS OF EGRESS REQUIRED - TWO (2) ACCESSIBLE MEANS OF EGRESS ARE REQUIRED AS PER SECTIONS 1015.1 AND 1021.1.
SECTION 1007.2 CONTINUITY AND COMPONENTS - EACH REQUIRED ACCESSIBLE MEANS OF EGRESS SHALL BE CONTINUOUS TO A PUBLIC WAY AND WILL CONSIST OF THE FOLLOWING COMPONENTS:

SECTION 1007.2 3. INTERIOR EXIT STAIRWAYS COMPLYING WITH SECTION 1007.3 AND 1022.1
SECTION 1007.2 7. HORIZONTAL EXITS COMPLYING WITH SECTION 1025
SECTION 1007.2 8. RAMPS COMPLYING WITH SECTION 1010

SECTION 1007.3 EXIT STAIRWAYS - ACCESSIBLE EXIT STAIRWAYS IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM ARE EXEMPT FROM BOTH THE 48 INCH CLEAR WIDTH BETWEEN HANDRAILS AND THE AREA OF RESCUE ASSISTANCE REQUIREMENTS.

SECTION 1009 STAIRWAYS
SECTION 1009.1 STAIRWAY WIDTH - A WIDTH OF 36 INCHES SHALL BE PERMITTED IN STAIRWAYS THAT PROVIDE EGRESS TO THE EXIT DISCHARGE SOLELY FOR THE USE OF R-2 OCCUPANCIES PROVIDED THE BUILDING IS 125 FEET OR LESS IN HEIGHT AND PROVIDED SUCH STAIRWAY SERVES NOT MORE THAN 30 OCCUPANTS PER FLOOR.
SECTION 1009.2 HEADROOM - IN GROUP R-2 OCCUPANCY, STAIRWAY HEADROOM SHALL BE 80 INCHES MINIMUM.
SECTION 1009.4.2 STAIR TREADS AND RISERS - IN GROUP R-2 OCCUPANCIES THE MAXIMUM RISER HEIGHT SHALL BE 7 ¾" AND THE MINIMUM TREAD DEPTH SHALL BE 9 ½" PLUS NOSING.
SECTION 1009.5 STAIRWAY LANDINGS - THE WIDTH OF LANDINGS SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRWAYS THEY SERVE AND SHALL BE PROVIDED AT THE TOP AND BOTTOM OF EACH STAIRWAY. DOORS OPENING ONTO A LANDING SHALL NOT REDUCE THE LANDING TO LESS THAT 75 PERCENT OF THE REQUIRED WIDTH. WHEN FULLY OPEN, THE DOOR SHALL NOT PROJECT MORE THAN 7 INCHES INTO A LANDING.

SECTION 1015 EXIT AND EXIT ACCESS DOORWAYS
SECTION 1015.1 EXIT AND EXIT ACCESS DOORWAYS REQUIRED - TWO EXITS OR EXIT ACCESS DOORWAYS SHALL BE REQUIRED FROM ANY SPACE THAT EXCEEDS THE OCCUPANT LOAD LISTED IN TABLE 1015.1.

TABLE 1015.1: SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY

OCCUPANCY	MAXIMUM OCCUPANT LOAD
B	74
R-2	20

SECTION 1015.2.1 TWO EXITS OR EXIT ACCESS DOORWAYS - THE SEPARATION DISTANCE OF EXIT DOORS AND EXIT ACCESS DOORS IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM SHALL BE ONE THIRD OF THE OVERALL DIAGONAL DIMENSION OF THE AREA SERVED. IN R-2 OCCUPANCIES, STAIRS ENCLOSED WITH A 2-HOUR FIRE RESISTIVE RATING, STAIR DOORS SHALL BE SEPARATED BY NOT LESS THAN 15 FEET.
SECTION 1015.3 BOILER, FURNACE AND INCINERATOR ROOMS - TWO EXITS OR EXIT ACCESS DOORWAYS SHALL BE REQUIRED IN BOILER, FURNACE AND INCINERATOR ROOMS WHERE THE AREA EXCEEDS 500 SQUARE FEET AND ANY FUEL FIRED EQUIPMENT EXCEEDS 400,000 BTU INPUT CAPACITY.

SECTION 1016 EXIT ACCESS TRAVEL DISTANCE
SECTION 1016.1 TRAVEL DISTANCE LIMITATIONS - EXITS SHALL BE SO LOCATED ON EACH STORY SUCH THAT THE MAXIMUM LENGTH OF EXIT ACCESS TRAVEL SHALL NOT EXCEED THE DISTANCES IN TABLE 1016.1.

TABLE 1016.1: EXIT ACCESS TRAVEL DISTANCE

OCCUPANCY	WITHOUT SPRINKLER SYSTEM (FEET)	WITH SPRINKLER SYSTEM (FEET)
B	200	300
R	150	200

SECTION 1018 CORRIDORS
SECTION 1018.1.1 INTERIOR CORRIDORS - AS PER TABLE 1018.1.1 FOR OCCUPANCY R-2 IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM, INTERIOR CORRIDORS ARE NOT REQUIRED TO HAVE A FIRE RATING.
SECTION 1018.1.2 PUBLIC CORRIDORS - PUBLIC CORRIDORS SHALL HAVE FIRE-RESISTIVE RATINGS IN ACCORDANCE WITH TABLE 1018.1.2

TABLE 1018.1.2: PUBLIC CORRIDOR FIRE-RESISTANCE RATING

OCCUPANCY	REQUIRED FIRE-RESISTANCE RATING (HOURS)
B	1
R	2

SECTION 1018.2 CORRIDOR WIDTH - CORRIDOR WIDTH SHALL BE 44 INCHES, EXCEPT 36 INCHES IS PERMITTED WHEN SERVING AN OCCUPANT CAPACITY OF 50 OR LESS.
SECTION 1018.3 DEAD ENDS - WHEN TWO EXITS ARE REQUIRED THEY SHALL BE ARRANGED SO THAT THERE ARE NO DEAD ENDS THAT EXCEED 80 FEET IN R-2 OCCUPANCIES ENCLOSED WITH A 2 HOUR FIRE-RESISTIVE RATING.

SECTION 1021 NUMBER OF EXITS AND CONTINUITY
SECTION 1021.1 EXITS FROM STORIES - AS PER TABLE 1021.1, THE MINIMUM NUMBER OF EXITS REQUIRED SHALL BE BASED UPON OCCUPANT LOAD.

TABLE 1021.1: MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD

OCCUPANT LOAD (PERSONS PER STORY)	MINIMUM NUMBER OF EXITS (PER STORY)
1-500	2

APPENDIX G - FLOOD-RESISTANT CONSTRUCTION

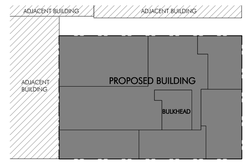
SECTION BC G201 DEFINITIONS
SECTION BC G201.2 *NONRESIDENTIAL (FOR FLOOD ZONE PURPOSES)*: A BUILDING OR STRUCTURE THAT CONTAINS SPACE CLASSIFIED IN GROUP R-2, BUT ALSO CONTAINS SPACE ON THE LOWEST FLOOR THAT IS NOT ACCESSORY, AS DEFINED BY NYC ZONING RESOLUTION, TO A GROUP R-2 OCCUPANCY. *FLOODPROOFING - DRY*: FOR BUILDINGS THAT ARE NONRESIDENTIAL (FOR FLOOD ZONE PURPOSES), A COMBINATION OF DESIGN MODIFICATIONS THAT RESULT IN THE BUILDING'S BEING WATER TIGHT TO THE DESIGN FLOOD ELEVATION (DFE), INCLUDING ATTENDANT UTILITY AND SANITARY FACILITIES WITH WALLS SUBSTANTIALLY IMPERMEABLE TO THE PASSAGE OF WATER AND WITH STRUCTURAL COMPONENTS HAVING THE CAPACITY TO RESIST LOADS AS IDENTIFIED IN ASCE 7.

SECTION BC G304 POST-FIRM CONSTRUCTION AND SUBSTANTIAL IMPROVEMENTS
SECTION BC G304.1 A-ZONE CONSTRUCTION STANDARDS
SECTION BC G304.1.2.2 NONRESIDENTIAL - DRY FLOODPROOFING OPTION
2.1. ELEVATION OF DRY FLOODPROOFING. THE STRUCTURE SHALL BE DRY FLOODPROOFED TO AT OR ABOVE THE DFE SPECIFIED IN ASCE 24, TABLE 6-1
2.2. DWELLING UNITS
2.2.1. ALL ROOMS AND SPACES WITHIN DWELLING UNITS SHALL BE LOCATED AT OR ABOVE THE DESIGN FLOOD ELEVATION
2.2.2. A RESTRICTIVE DECLARATION NOTING THE ABOVE RESTRICTION SHALL BE FILED WITH THE CITY REGISTER OR COUNTY CLERK, AND THE PAGE NUMBER AND LIBER NUMBER SHALL BE IDENTIFIED IN THE PERMIT APPLICATION AND ON THE CERTIFICATE OF OCCUPANCY.
2.3 UTILITIES AND EQUIPMENT. UTILITIES AND ATTENDANT EQUIPMENT SHALL BE LOCATED WITHIN THE DRY FLOODPROOFED ENCLOSURE, OR MAY BE LOCATED OUTSIDE THE DRY FLOODPROOFED ENCLOSURE PROVIDED THAT THEY ARE LOCATED AT OR ABOVE THE DESIGN FLOOR ELEVATION SPECIFIED IN ASCE 24, TABLE 7-1.
2.3.1. ADDITIONAL REQUIREMENTS. THE STRUCTURE SHALL COMPLY WITH ITEMS 5.1 THROUGH 5.4 OF SECTION G304.1.1.
SECTION BC G304.1.1 - ITEMS 5.1 - 5.4
5.1 FIRE PROTECTION SYSTEMS AND EQUIPMENT TO BE LOCATED ABOVE DFE:
5.1.1. SPRINKLER CONTROL VALVES THAT ARE NOT OUTSIDE STEM AND YOKE VALVES;
5.1.2. FIRE STANDPIPE CONTROL VALVES THAT ARE NOT OUTSIDE STEM AND YOKE VALVES;
5.1.3. SPRINKLER BOOSTER PUMPS AND FIRE PUMPS;
5.1.4. DRY PIPE VALVE-RELATED ELECTRICALLY OPERATED ALARM APPURTENANCES;
5.1.5. ALARM CONTROL PANELS FOR WATER AND NON-WATER FIRE EXTINGUISHING SYSTEMS;
5.1.6. ALARM CONTROL PANELS FOR SPRINKLER SYSTEMS, PRE-ACTION SPRINKLER SYSTEMS, DELUGE SPRINKLER SYSTEMS, AND COMBINED DRY PIPE AND PRE-ACTION SPRINKLER SYSTEMS;
5.1.7. ELECTRICALLY OPERATED WATERFLOW DETECTION DEVICES SERVING SPRINKLER SYSTEMS; AND
5.1.8. AIR COMPRESSORS SERVING SPRINKLER SYSTEMS AND PRE-ACTION SPRINKLER SYSTEMS.
5.2 FIRE ALARM SYSTEMS AND COMPONENTS - IF ZONING INDICATOR PANEL IS LOCATED AT OR BELOW 5 FEET ABOVE DFE, AT LEAST ONE SECONDARY ZONING INDICATOR PANEL COMPLYING WITH THE FOLLOWING REQUIREMENTS SHALL BE PROVIDED:
5.2.1. SECONDARY ZONING INDICATOR PANEL, ASSOCIATED CONTROLS, POWER SUPPLIES AND MEANS OF TRANSFERRING CONTROL SHALL BE PROVIDED AT LEAST 5 FEET ABOVE DFE IN AN ACCESSIBLE LOCATION FOR AND APPROVED BY FIRE DEPT.
5.2.2. WHERE SECONDARY ZONING INDICATOR PANEL OR ASSOCIATED CONTROLS ARE ONLY OPERABLE UPON TRANSFER OF CONTROL FROM ANOTHER ZONING INDICATOR PANEL, SUCH TRANSFER SHALL BE BY A MEANS THAT IS APPROVED BY THE FIRE DEPT.
5.3 FUEL-OIL PIPING SYSTEMS - STRUCTURE SHALL COMPLY WITH THE FOLLOWING:
5.3.1. FILL PIPING THAT DOES NOT TERMINATE IN A WATERTIGHT TERMINAL APPROVED BY THE DEPT. SHALL TERMINATE AT LEAST 3 FEET ABOVE THE DFE; AND
5.3.2. NORMAL VENT PIPING AND EMERGENCY VENT PIPING SHALL TEMRINATE AT LEAST 3 FEET ABOVE THE DFE
5.4 PLUMBING SYSTEMS AND COMPONENTS - STRUCTURE SHALL COMPLY WITH THE FOLLOWING:
5.4.1 RELIEF VENTS AND FRESH AIR INTAKES SERVING BUILDING TRAPS IN ACCORDANCE WITH SECTION 1002.6 OF THE NYC PLUMBING CODE SHALL BE CARRIED ABOVE GRADE AND SHALL TERMINATE IN A SCREENED OUTLET THAT IS LOCATED OUTSIDE OF THE BUILDING AND AT OR ABOVE THE DFE; AND
5.4.2. REDUCED PRESSURE ZONE BACKFLOW PREVENTERS COMPLYING WITH SECTION 608.13.3 OF THE NYC PLUMBING CODE AND BACKFLOW PREVENTERS WITH INTERMEDIATE ATMOSPHERIC VENTS COMPLYING WITH SECTION 608.13.3 OF THE NYC PLUMBING CODE SHALL BE LOCATED AT OR ABOVE THE DFE.

PONTE RESIDENCES

PROJECT TITLE:
PONTE EQUITIES, INC

KEY PLAN:



CLIENT:
PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:
440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:
BUILDING CODE ANALYSIS

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:
G-002.00

DATE:
08/26/15
JOB #:
14J15
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

4 20

8/27/2015 11:22:38 AM

GENERAL NOTES:

1. ALL DIMENSIONS AND CONDITIONS DESCRIBED IN THE CONTRACT DOCUMENTS ARE TO BE VERIFIED IN THE FIELD. ARCHITECT IS TO BE ADVISED OF ANY DISCREPANCIES IMMEDIATELY.
2. THE CONSTRUCTION NOTES AND/OR DRAWINGS ARE SUPPLIED TO ILLUSTRATE THE DESIGN AND THE GENERAL TYPE OF CONSTRUCTION DESIRED AND ARE INTENDED TO IMPLY THE FINEST QUALITY OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP THROUGHOUT.
3. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF DOB CONSTRUCTION DRAWINGS, SPECIFICATIONS, AND SHOP DRAWINGS ON THE CONSTRUCTION FLOOR DURING ALL PHASES OF CONSTRUCTION FOR USE BY ALL TRADES AND WILL REMOVE ALL OUTDATED DRAWINGS FROM THE JOB SITE
4. THE CONTRACTOR UPON ACCEPTANCE AND APPROVAL OF THE DRAWINGS ASSUMES FULL RESPONSIBILITY FOR THE CONSTRUCTION MATERIALS AND WORKMANSHIP OF THE WORK DESCRIBED IN THESE NOTES AND DRAWINGS AND WILL EXECUTE TO COMPLY WITH THE SPIRIT AS WELL AS THE LETTER IN WHICH THEY WERE WRITTEN.
5. THE DRAWINGS AND NOTES INDICATE AND REFER TO ANY INTERIOR/EXTERIOR WORK AND ARE MEANT TO CONVEY INSTRUCTIONS, WHETHER WRITTEN OR IMPLIED, FOR A COMPLETE SCOPE OF WORK, INCLUSIVE OF THOSE MINOR FIELD CONDITIONS INHERENT IN THE WORK.
6. CONTRACTOR SHALL PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE STATE AND CITY CODES AND REGULATIONS.
7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED BY LAW AND PAY FOR SAME PRIOR TO ANY WORK. PERMITS SHALL BE SUBMITTED TO ALL PARTIES INVOLVED IN PROJECT AND DISPLAY SAME AT SITE AS PER DOB REGULATIONS.
8. CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS OF SYSTEMS OR OTHER REQUIRED APPROVALS.
9. CONTRACTOR WILL COORDINATE WORK OF ALL TRADES, INCLUDING THOSE THAT MAY BE UNDER SEPARATE CONTRACT, PROJECT SCHEDULING AND OVERALL CLEANUP.
10. CONTRACTOR IS TO KEEP JOB SITE CLEAN DURING CONSTRUCTION AND REMOVE ALL DEBRIS FROM PREMISES ON A CONTINUAL BASES.
11. SUBSTITUTION OF DETAILS, FIXTURES, MATERIALS, EQUIPMENT, ETC., IS TO BE BY ARCHITECT'S WRITTEN APPROVAL ONLY.
12. THE CONTRACTOR SHALL COORDINATE WORK WITH THE MANUFACTURER'S SPECIFICATIONS.
13. METAL STUD WALLS AND POSTS OF METAL PARTITIONS SHALL BE SECURED TO THE STRUCTURAL ELEMENTS AT ALL LOCATIONS.
14. ALL DIMENSIONS FOR PARTITIONS ARE FROM FINISH TO FINISH, UNLESS OTHERWISE INDICATED.
15. WALLS SHOWN ALIGNED WITH BASE BUILDING STRUCTURE SHALL BE CONSTRUCTED FLUSH AND SMOOTH WITH BASE BUILDING STRUCTURE UNLESS OTHERWISE INDICATED.
16. ALL WALLS AND CEILINGS SHALL BE PROPERLY PREPARED, SPACKLED, SANDED, ETC. TO PROVIDE A PERFECTLY SMOOTH AND TRUE FINISH AND SURFACE.
17. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE NEW YORK CITY BUILDING CODE, FIRE DEPARTMENT REGULATIONS, UTILITY COMPANY REQUIREMENTS & BEST TRADE PRACTICES.
18. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL FILE ALL REQUIRED CERTIFICATES OF INSURANCE WITH THE DEPARTMENT OF BUILDINGS, PAY ALL FEES REQUIRED BY GOVERNING NEW YORK CITY AGENCIES, OBTAIN ALL REQUIRED PERMITS AND PROVIDE ANY AND ALL BONDS REQUIRED BY ANY CITY AGENCY IN ORDER TO DO WORK HEREIN DESCRIBED.
19. CONTRACTOR SHALL OBTAIN SEPARATE PERMIT AND APPROVAL FROM DEPARTMENT OF HIGHWAYS FOR ALL WORK BEYOND BUILDING LINES AND REQUIRED.
20. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES BETWEEN DRAWINGS AND FIELD CONDITIONS TO THE ARCHITECT IMMEDIATELY.
21. MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER CONSTRUCTION OF ANY PART OF THE WORK SHALL BE INCLUDED AS IF THEY WERE INDICATED IN THE DRAWINGS.
22. THE CONTRACTOR SHALL COORDINATE ALL WORK PROCEDURES WITH REQUIREMENTS OF LOCAL AUTHORITIES, BUILDING MANAGEMENT, AND OWNER'S REPRESENTATIVES.
23. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL CONDITIONS AND MATERIALS WITHIN THE PROPOSED CONSTRUCTION AREA. THE CONTRACTOR SHALL DESIGN AND INSTALL ADEQUATE SHORING AND BRACING FOR ALL STRUCTURAL OR REMOVAL TASKS. THE CONTRACTOR SHALL HAVE THE SOLE RESPONSIBILITY FOR ANY DAMAGE OR INJURIES CAUSED BY OR DURING THE EXECUTION OF THE WORK.
24. THE CONTRACTOR SHALL LAYOUT HIS OWN WORK, AND SHALL PROVIDE ALL DIMENSIONS REQUIRED FOR OTHER TRADES: PLUMBING, ELECTRICAL, MECHANICAL, ETC.
25. PLUMBING AND ELECTRICAL WORK SHALL BE PERFORMED BY PERSONS LICENSED IN THEIR TRADES, WHO SHALL ARRANGE OR AND OBTAIN INSPECTIONS AND REQUIRED SIGN-OFFS.
26. THE CONTRACTOR SHALL DO ALL CUTTING, PATCHING, REPAIRING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED ON THE DRAWINGS, AND ALL OTHER WORK THAT MAY BE REQUIRED TO COMPLETE THE JOB.
27. ENGINEER HAS NOT BEEN RETAINED TO SUPERVISE CONSTRUCTION.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING TEMPORARY AND NEW CERTIFICATE OF OCCUPANCY, INCLUDING ALL REQUIRED FILINGS, APPLICATIONS, SIGN-OFFS, INSPECTIONS AND APPROVALS.

DEMOLITION NOTES:

1. THE CONTRACTOR SHALL PERFORM ALL OPERATIONS OF DEMOLITION AND REMOVAL INDICATED ON THE DRAWINGS AND AS MAY BE REQUIRED BY THE WORK. ALL WORK SHALL BE DONE CAREFULLY AND NEATLY, IN A SYSTEMATIC MANNER.
2. DURING REPLACEMENT OF ROOF, CARE SHALL BE MADE TO MAINTAIN WATERTIGHT SEAL CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE DUE TO WATER LEAKS.
3. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. DEBRIS SHALL BE REMOVED BY THE CONTRACTOR WHO SHALL ASSUME FULL RESPONSIBILITY FOR DAMAGE AND SHALL MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.
4. NO DEBRIS SHALL BE ALLOWED TO ACCUMULATE ON THE SITE. DEBRIS SHALL BE REMOVED BY THE CONTRACTOR AS THE JOB PROCEEDS. THE SITE SHALL BE LEFT BROOM CLEAN AT THE COMPLETION OF DEMOLITION.
5. NO STRUCTURAL ELEMENTS SHALL BE REMOVED UNLESS PORTIONS AFFECTED ARE ADEQUATELY SUPPORTED BY EITHER TEMPORARY SHORING OR NEW STRUCTURAL ELEMENTS AS REQUIRED TO PROTECT THE STABILITY AND INTEGRITY OF THE EXISTING STRUCTURE.
6. 6. ALL ADJOINING PROPERLY AFFECTED BY ANY OPERATIONS OF DEMOLITION SHALL BE PROTECTED PER THE REQUIREMENTS OF ARTICLE 19 OF THE N.Y.C. BUILDING CODE.
7. REMOVE OR RELOCATE ALL WIRING, PLUMBING, AND MECHANICAL EQUIPMENT AFFECTED BY REMOVAL OF PARTITIONS. REMOVED PIPES AND/OR LINES SHALL BE CUT TO A POINT OF CONCEALMENT BEHIND OR BELOW FINISH SURFACES, AND SHALL BE PROPERLY CAPPED OR PLUGGED.
8. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL TEMPORARY BARRIERS AND GUARDS, AND ALL TEMPORARY SHORING AND BRACING AS REQUIRED BY DEPARTMENT OF BUILDING RULES AND REGULATIONS.
9. THE CONTRACTOR SHALL PROVIDE ADEQUATE WEATHER PROTECTION FOR THE NEW BUILDING AND ITS CONTENTS DURING THE COURSE OF THE WORK. ALL OPENINGS IN ANY WALL OR ROOF SHALL BE PROTECTED FROM ALL FORMS OF WEATHER OR WATER.

SMOKE/CARBON MONOXIDE DETECTORS NOTES PER 907.2.10.1:

907.2.10.1.1 SMOKE ALARMS IN GROUPS R-2, R-3, AND 1-1. SINGLE- OR MULTIPLE- STATION SMOKE ALARMS SHALL BE INSTALLED AND MAINTAINED IN GROUPS R-2, R-3, REGARDLESS OF OCCUPANT LOAD AT ALL OF THE FOLLOWING LOCATIONS WITHIN A DWELLING UNIT:

1. ON THE CEILING OR WALL OUTSIDE OF EACH ROOM USED FOR SLEEPING PURPOSES WITHIN 15 FEET FROM THE DOOR TO SUCH ROOM.
2. IN EACH ROOM USED FOR SLEEPING PURPOSES.
3. IN EACH STORY WITHIN A DWELLING UNIT, INCLUDING BELOW-GRADE STORIES AND PENTHOUSES OF ANY AREA.

907.2.10.2 POWER SOURCE. REQUIRED SMOKE ALARMS SHALL RECEIVE THEIR PRIMARY POWER FROM A DEDICATED BRANCH CIRCUIT OR THE UNSWITCHED PORTION OF A BRANCH CIRCUIT ALSO USED FOR POWER AND LIGHTING, AND SHALL BE EQUIPPED WITH A BATTERY BACKUP. SMOKE ALARMS SHALL EMIT A SIGNAL WHEN THE BATTERIES ARE LOW. WIRING SHALL BE PERMANENT AND WITHOUT A DISCONNECTING SWITCH OTHER THAN AS REQUIRED FOR OVER-CURRENT PROTECTION.

907.2.10.5 GROUP R-2 OCCUPANCY. SMOKE ALARMS SHALL BE PROVIDED WITH THE CAPABILITY TO SUPPORT VISIBLE ALARM NOTIFICATION APPLIANCES IN ACCORDANCE WITH ICC/ANSI A117.1.-2003

BOILER ROOM NOTES (AS PER SEC. 65 OF MDL:)

1. WALLS ENCLOSING BOILER TO BE OF FIREPROOF MATERIAL HAVING A 1HR FIRE RATING. NOTE: 4" SOLID CINDER BLOCK IS GENERALLY USED.
2. CEILING OF ENTIRE BOILER ROOM SHALL BE PROPERLY FIRE RETARDED WITH ONE OF THE FOLLOWING: (a) 1/2" PLASTER BOARDS COVERED WITH 26 GA METAL (b) METAL LATH AND 3/4" CEMENT OR 1" GYPSUM MORTAR. (c) ROCK LATH AND 3/4" GYPSUM MORTAR.
3. FLOOR OF BOILER ROOM SHALL BE OF CONCRETE CONSTRUCTION.
4. FIXED VENTILATION TO OUTER AIR FOR BOILER ROOM REQUIRED MIN. AREA EQUAL TO SMOKE STACK (NORMALLY 64 SF.) NOTE: WHERE DUCT IS REQUIRED TO PROVIDE FIXED VENTILATION; SAME MUST BE ENCASED IN METAL LATH AND CEMENT ON GYPSUM MORTAR.
5. METERS DUMBWAITER SHAFTS, ELEVATOR SHAFTS, INTERIOR STAIRS OR REQUIRED OUTSIDE CELLAR ENTRANCES CANNOT BE LOCATED WITHIN BOILER ROOM.
6. A MINIMUM OF 18" CLEARANCE REQUIRED BETWEEN BOILER AND ENCLOSING WALLS.
7. DOOR TO BOILER ROOM TO BE 1HR TEST FIREPROOF SELF-ENCLOSING AS PER BOARD OF STANDARDS AND APPEALS APPROVAL.
8. ELECTRIC LIGHT TO BE PROVIDED WITHIN BOILER ROOM.
9. OIL BURNER REMOTE CONTROL SWITCH MUST BE LOCATED OUTSIDE BOILER ROOM.
10. NO STORAGE PERMITTED WITHIN BOILER ROOM.

HOUSING MAINTENANCE NOTES:

1. CENTRAL HEAT TO BE PROVIDED AS PER D26-17.01 HMC.
2. WATER SUPPLY TO BUILDING TO COMPLY WITH SECTION 27-2024 H.M.C.
3. WATER SUPPLY TO INDIVIDUAL UNITS AND FIXTURES SHALL COMPLY WITH SECTION 27-2025 H.M.C.
4. SUPPLY OF HOT WATER TO COMPLY WITH SEC. 27-2031 H.M.C.
5. PROVIDE MAIL SERVICE AS PER D26-21.01 HMC.
6. FLOOR SIGNS SHALL BE POSTED AND MAINTAINED PER SECTION 27-2048 H.M.C.
7. STREET NUMBER SHALL BE POSTED AND MAINTAINED PER SEC. 27-2049 H.M.C.
8. POSTING OF REGISTRATION SIGN AS PER D26-41.15 HMC.
9. BUILDING TO BE REGISTERED AS PER D26-41.15 HMC.
10. NIGHT LIGHTING IN PUBLIC HALLS AND STAIRS OF DWELLING TO COMPLY WITH D26-19.05 HMC.
11. PROVIDE KEY LOCKS FOR ALL APARTMENT DOORS, HEAVY DUTY DEAD BOLT, THUMB TURN INSIDE LATCH SET AND CHAIN DOOR GUARD AS PER D26-20.05 HMC.
12. PROVIDE BSA APPROVED PEEP HOLES IN ENTRANCE DOORS TO EACH DWELLING UNIT AS PER D26-20.01 HMC.
13. PAINTING OF PUBLIC PARTS WITHIN DWELLINGS TO COMPLY WITH D26-12.01 HMC.
14. PAINTING OF FIRE ESCAPES AND WINDOW FRAMES AS PER D26-12.03 HMC.
15. RECEPTACLES FOR COLLECTION OF WASTE PAPER TO BE PROVIDED AS PER D26-14.03 HMC, AND D26-14.05 AMD D26-14.07 HMC.
16. DRAINAGE OF ROOFS, COURTS, AND YARDS TO COMPLY WITH D26-16.03 HMC.
17. PROPER ELECTRIC LIGHTING EQUIPMENT WITHIN DWELLING TO BE PROVIDED AND MAINTAINED AS PER D26-19.01, D26-19.05, D26-19.03 HMC.
18. PROVIDE ELECTRIC LIGHTS AT ENTRANCEWAYS, YARDS AND COURTS AS PER D26-19.07 HMC, ON SEPARATE CIRCUIT OR CONNECTED TO HOUSE LINE SERVICING PUBLIC HALLS, AND IN ACCORDANCE WITH THE REQUIREMENTS OF DEPT. OF WATER SUPPLY, GAS AND ELECTRICITY.
19. ENGINEER HAS NOT BEEN RETAINED TO SUPERVISE WORK.
20. CONTRACTORS ARE TO VERIFY AND CHECK ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND REPORT ALL DISCREPANCIES TO THE ARCHITECT.
21. PARTITIONS ENCLOSING BATHROOMS TO BE METAL STUDS AND MOISTURE RESISTANT GYPSUM WALL BOARD AS PER BSA 756-62SM.
22. ALL DOORS OPENING ON PUBLIC HALLWAY TO BE SELF CLOSING AS PER D26-20.07 HMC. ALL DOORS OPENING ON PUBLIC HALLWAY TO BE 1 HOUR FPSC.
23. COMPLY WITH LL 29/89 FOR LOW FLOW FIXTURES
24. SMOKE/CO DETECTORS SHALL BE INSTALLED PER SUBCHAPTER 17, ARTICLE 6 PER RS 17-12 AND SHALL BE LOCATED AT OR NEAR THE CEILING WITHIN 15 FT. OF ROOMS USED FOR SLEEPING PURPOSE IN J-2 OCCUPANCIES AND BEMAINTAINED PER H.M.C. SECTION 27-2045.
25. NATURAL LIGHT AND VENTILATION SHALL BE PROVIDED IN ALL LIVING ROOMS IN MULTIPLE DWELLINGS PER H.M.C. SECTION 27-2057 AND 27-2058.
26. SANITARY FACILITIES SHALL BE PROVIDED IN EVERY APARTMENT IN MULTIPLE DWELLING PER H.M.C. SECTION 27-2066 AND WITH HOT WATER SUPPLIED TO PLUMBING FIXTURES PERH.M.C. SECTION 27-2031.
27. KITCHENS IN MULTIPLE DWELLINGS SHALL CONFORM TO H.M.C. SECTIONS 27-2070, 27-2071, AND 27-2072.
28. LIVING ROOMS IN MULTIPLE DWELLINGS SHALL BE SIZED CONFORMING TO H.M.C. SECTION 27-2074.
29. THE ENTRANCE DOORS TO EACH DWELLING UNIT IN A MULTIPLE DWELLING BE PROVIDED WITH A PEEPHOLE PER H.M.C. SECTION 27-2041 AND WITH A LOCK AND CHAIN GUARD PER H.M.C. SECTION 27-2043.
30. CLEANING OF ROOF, YARDS, COURTS AND OTHER OPEN SPACES SHALL COMPLY WITH H.M.C. SECTION 27-2010
31. THE BUILDING OWNER SHALL MAINTAIN THE SANITARY AND STORM DRAINAGE SYSTEMS AND EQUIPMENT PER SECTIONS 27-2026 AND 27-2027 OF H.M.C.
32. ELECTRIC LIGHTING FIXTURES OR OUTLETS FOR LIGHTING FIXTURES SHALL BE INSTALLED AND MAINTAINED FOR EVERY ROOM AND PUBLIC HALL PER SECTIONS 27-2937, 27-2038 AND 27-2039 H.M.C.
33. PROVIDE ARTIFICIAL EXTERIOR LIGHTING AT ALL EXTIOR ENTRANCE WAYS AND IN YARDS AND COURTS TO BE INSTALLED AND MAINTAINED PER SECTION 27-2040 OF H.M.C.

MULTIPLE DWELLING NOTES:

* BUILDING SHALL COMPLY WITH ART. 7 AND APPLICABLE PROVISIONS OF ART. 3 MULTIPLE DWELLING LAW (MDL)

1. ROOMS IN BASEMENT TO COMPLY WITH SEC. 216, SEC. 34 (6) MDL, CEILING HEIGHTS TO COMPLY WITH SEC. 218 SUB (8) MDL.
2. HOUSE NUMBERS SHALL BE PROPERLY DISPLAYED AS PER SEC. 886 CITY CHARTER.
3. VENTILATION IN PUBLIC HALLS AND STAIRS TO COMPLY WITH SEC. 217 MDL.
4. EGRESS TO COMPLY WITH SEC. 231 MDL, STAIRS TO MEET SEC. 233(5) TO SEC. 238 MDL.
5. BULKHEAD TO COMPLY WITH SEC. 233 MDL, DOOR TO BE FIREPROOF AND SELF CLOSING.
6. PUBLIC CORRIDORS AND STAIRS TO MEET SEC. 234 MDL, STAIRS IN PUBLIC CORRIDOR TO BE 3'-0" MIN.
7. ALL DOORS TO PUBLIC HALLS TO BE SELF-CLOSING AND FIREPROOF.
8. STAIRS TO COMPLY WITH SEC. 235, 237, 238, 239, AND 242 MDL, WINDOWS IN STAIR HALL TO BE GLAZED WITH WIRE GLASS. BALUSTRADE AND RAILING TO BE 2'-6" AND 2'-8" MAX ABOVE FRONT EDGE OF TREADS (2'-8" MIN AND 3'-0" MAX ABOVE LANDING).
9. PARTITIONS AND FIRESTOPPING TO COMPLY WITH SEC. 241 MDL, SOUNDPROOFING BETWEEN APTS AND PUBLIC HALL SHALL COMPLY W/SEC. 84 MDL.
10. CELLAR STAIR TO COMPLY WITH SEC. 242 AND 50 MDL, STAIR TO BE ENCLOSED IN FIREPROOF ENCLOSURE AND HAVE FIREPROOF DOORS AND ASSEMBLIES AT ALL OPENINGS.
11. SPACES UNDER STAIRS TO COMPLY WITH SEC. 244 MDL. NO CLOSETS CONSTRUCTED UNDER STAIRS LEADING FROM ENTRANCE STORY TO UPPER STORIES. SPACES TO BE CLEAR AND FREE OF ENCUMBRANCES.
12. COOKING SPACES TO COMPLY WITH SECTION 33 MDL CEILINGS AND WALLS TO BE FIRE RETARDED. PROTECT ALL COMBUSTIBLE MATERIALS WITHIN 1'-0" OF COOKING APPARATUS AS PER SEC. 33 MDL.
13. ALL GAS APPLIANCES TO COMPLY WITH SEC. 64 MDL AND LOCAL LAW 124/55.
14. PROVIDE FRONT, COURT, AND REAR LIGHTING AS PER SEC 26 SUB (7A) AND 35 MDL.
15. ALL BUILDING ENTRANCE DOORS MUST BE SELF-CLOSING AND HAVE SELF-LOCKING DEVICES AND INTERCOMMUNICATION SYSTEM AS PER 50A MDL.
16. MAIN ENTRANCE DOOR SHALL HAVE NOT LESS THAN FIVE(5) SQ.FT. OF GLAZED SURFACE AS PER 35 MDL.
17. TRASH COMPACTOR CHUTE TO COMPLY WITH SECTION 51 MDL, TO HAVE FIREPROOF ENCLOSURE AND FIREPROOF DOORS AND SELF CLOSING ASSEMBLIES.
18. PEEP HOLES TO COMPLY WITH SC51-A MDL.
19. MAIL RECEPTACLES TO COMPLY WITH SEC. 57 MDL.
20. PARAPETS AND GUARD RAILS TO COMPPLY WITH SEC 62 SUB 2 MDL.
21. LIGHTING, GAS METERS AND APPLIANCES ON PREMISES SHALL COMPLY WITH SEC 64 MDL, NO GAS METERS PERMITTED IN BOILER ROOM.
22. BOILER ROOMS TO COMPLY WITH SEC 65 MDL ENCLOSED IN FIREPROOF WALLS AND ALL OPENINGS TO HAVE FIREPROOF AND SELF CLOSING DOORS AND ASSEMBLIES.
23. SMOKE DETECTORS TO COMPLY WITH SEC. 68 MDL.
24. WATER CLOSETS TO COMPLY WITH SEC. 68 MDL. ALL BATHROOMS SHALL HAVE CERAMIC TILE FLOORS AND 6' MIN CERAMIC TILE SANITARY COVE BASE AT PERIMETER AND DUROCK FINISH ON WALLS (BSA NO. 486.39 SM). BATHROOMS TO BE VENTED NATURALLY AS PER SEC. 76 MDL OR MECHANICALLY WITH 4 AIR CHANGES PER HOUR AND OPERATE BETWEEN 6 A.M. TO MIDNIGHT. NO NUISANCE NOISE OR VIBRATION SHALL BE CREATED BY VENTILATING MOTORS.
25. PLUMBING AND DRAINAGE AS PER 77 MDL.
26. PROVIDE SEPARATE ELECTRICAL METER OR SUB-METER FOR EACH DWELLING UNIT AS PER C405.7.

ENERGY NOTES (NEW YORK CITY 2011 ENERGY CONSERVATION CODE):

1. THE HEATING SYSTEM WHEN INSTALLED AS DESIGNED, WILL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS, ORDINANCE, AND REGULATIONS. THE SYSTEM WAS DESIGNED AS RECOMMENDED BY THE AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR CONDITIONING ASSOCIATION GUIDES. THE SYSTEM IS BASED ON THE INSIDE TEMPERATURE BEING MAINTAINED AT 72 F, WHEN THE OUTSIDE TEMPERATURE IS ±15° F WITH A 15 MPH WIND.
2. CALCULATIONS FOR HEATING (HEAT LOSS) ARE BASED ON ECC CHAPTER 5 OF 2011 NYCECC MINIMUM INSULATION STANDARDS AS NOTED BELOW: A. EXTERIOR MASS WALLS R = 11.4ci B. EXTERIOR MTL. STUD WALLS R = 19 C. ROOF R = 38 (AVERAGE) D. FLOORS EXPOSED TO OUTSIDE R = 10.4ci E. FLOORS OVER UNHEATED AREA R = 10.4ci F. ALL WINDOWS (DOUBLE GLAZING) VINYL U = 0.40, ALUMINUM U =0.55 G. CURTAIN WALL/STOREFRONT U-0.50 H. ENTRANCE DOORS U = 0.85 NOTE U-FACTOR = BTU/HOUR SQUARE FOOT DEGREES FAHRENHEIT TEMPERATURE DIFFERENCE.

SITE SAFETY PROGRAM

G.C. TO COMPLY WITH SITE SAFETY PROGRAM AS PER BC 3310.1

SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS:

1. AS PER TITLE 28_NYC BUILDING CODE (EFFECTIVE JULY 2008) SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS SHALL BE PERFORMED FOR ALL ITEMS DESIGNATED BY THE DESIGN APPLICANT. TR-1 FORMS SHALL BE FILED WITH THE NEW YORK CITY DEPARTMENT OF BUILDINGS BY THE SPECIAL/PROGRESS INSPECTION APPLICANTS DESIGNATED BY THE CONTRACTOR PRIOR TO PERMIT AND PRIOR TO SIGN-OFF.
2. **PRIOR TO APPROVAL:** THE P.E. OR R.A. RESPONSIBLE FOR THE PLANS SHALL IDENTIFY THE REQUIRED SPECIAL/PROGRESS INSPECTIONS AND/OR TESTS PRIOR TO APPROVAL. (DESIGN APPLICANT)
3. **PRIOR TO PERMIT FILING:** THE SPECIAL/PROGRESS INSPECTION APPLICANT SHALL IDENTIFY, DATE AND DESIGNATE RESPONSIBILITY FOR PERFORMING THE REQUIRED SPECIAL/PROGRESS INSPECTIONS AT PERMIT.
4. **PRIOR TO SIGN-OFF:** WHEN ALL OR A PORTION OF THE REQUIRED SPECIAL/PROGRESS INSPECTIONS HAVE BEEN SATISFIED THE SPECIAL/PROGRESS INSPECTION APPLICANT SHALL DATE AND CERTIFY COMPLETION OF THE SPECIFIED ITEMS.
5. A LICENSED CONCRETE TESTING LABORATORY SHALL BE RETAINED TO PERFORM CONCRETE TESTS. THE LICENSED CONCRETE TESTING LAB SHALL IDENTIFY DATE AND DESIGNATE RESPONSIBILITY FOR CONCRETE TEST CYLINDERS AND CONCRETE DESIGN MIX, THIS NEED NOT BE PERFORMED BY A SPECIAL INSPECTION AGENCY. TAKE FOUR (4) CYLINDERS OF EACH 50 CUBIC YARD OF CONCRETE OF EACH CLASS PLACED ON ANY ONE DAY, TESTING ONE (1) AT 7 DAYS AND THREE (3) AT 28 DAYS. ALSO TAKE TESTS OF SLUMP, TEMPERATURE, AIR CONTENT AND UNIT WEIGHT.
6. FORMS SHALL BE FILED BY THE MANUFACTURER AND SUPPLIER, RESPECTIVELY, OF STRUCTURAL MASONRY UNIT AND SHALL INDICATE STRENGTHS OF MASONRY UNITS SUPPLIED

THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FILING FEES AND ALL COSTS ASSOCIATED WITH RETAINING ENGINEERING SERVICES, INSPECTION & TESTING FOR THE FOLLOWING SPECIAL INSPECTIONS AND PROGRESS INSPECTIONS:

E.C.C. PROGRESS INSPECTIONS

PROGRESS INSPECTIONS	TABLE REFERENCE IN 1RCNY §5000-01(h)(2)
PROTECTION OF FOUNDATION INSULATION	(IIA1)
INSULATION PLACEMENT AND R VALUES	(IIA2)
FENESTRATION THERMAL VALUES AND RATINGS	(IIA3)
FENESTRATION RATINGS FOR AIR LEAKAGE	(IIA4)
FENESTRATION AREAS	(IIA5)
AIR SEALING AND INSULATION - VISUAL	(IIA6)
SHUTOFF DAMPERS	(IIB2)
HVAC AND SERVICE WATER HEATING EQUIPMENT	(IIB33)
HVAC AND SERVICE WATER HEATING SYSTEM CONTROLS	(IIB4)
DUCT PLENUM AND PIPING INSULATION AND SEALING	(IIB5)
ELECTRICAL METERING	(IIC11)
LIGHTING IN DWELLING UNITS	(IIC2)
INTERIOR LIGHTING POWER	(IIC3)
EXTERIOR LIGHTING POWER	(IIC4)
LIGHTING CONTROLS	(IIC5)
EXIT SIGNS	(IIC6)
MAINTENANCE INFORMATION	(IID1)

SPECIAL AND PROGRESS INSPECTIONS

STRUCTURAL STEEL - DETAILS	BC 1704.3.2
STRUCTURAL STEEL - HIGH STRENGTH BOLTING	BC 1704.3.3
STRUCTURAL COLD-FORMED STEEL	BC 1704.3.4
CONCRETE: CAST-IN-PLACE	BC 1704.4
CONCRETE: PRECAST	BC 1704.4
MASONRY	BC 1704.5
SUBSURFACE INVESTIGATIONS (BORINGS/TEST PITS)	BC 1704.7.4
SMOKE CONTROL SYSTEMS	BC 1704.15
HIGH-PRESSURE FUEL-GAS PIPING (WELDING)	BC 1704.19
EXCAVATIONS - SHEETING, SHORING, AND BRACING	BC 1704.20.2
PRIVATE ON-SITE STORM WATER DRAINAGE DISPOSAL SYSTEMS, AND DETENTION FACILITIES INSTALLATION	BC 1704.21.2
HEATING SYSTEMS	BC 1704.25
CONCRETE DESIGN MIX	BC 1905.3, BC1913.5
CONCRETE SAMPLING AND TESTING	BC 1905.6, BC 1913.10
FOOTING AND FOUNDATION	BC 110.3.1
STRUCTURAL WOOD FRAME	BC 110.3.3
ENERGY CODE COMPLIANCE INSPECTIONS	BC 110.3.5
FIRE-RESISTANCE RATED CONSTRUCTION	BC 110.3.4

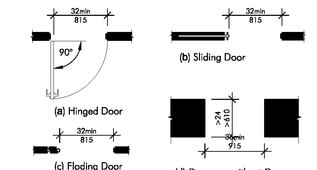
ABBREVIATIONS

@	AT	ELEC.	ELECTRIC	OPNG.	OPENING
A.C.	AIR CONDITIONER	EQUIP.	EQUIPMENT	OPP.	OPPOSITE HAND
A.D.	AREA DRAIN	EXH.	EXHAUST	PART.	PARTITION
A.F.F.	ABOVE FINISHED FLOOR	EXIST.	EXISTING	PL.	PLASTER
A.F.R.	ABOVE FINISHED ROOF	EXP.	EXPANSION	PL.GL.	PLATE GLASS
ALUM.	ALUMINUM	F.A.I.	FRESH AIR INTAKE	PLYWD.	PLYWOOD
APPVD.	APPROVED	F.C.	FIRE CODE	R.	RANGE
APT.	APARTMENT	F.D.	FLOOR DRAIN	RI.	RISER
A.S.	ALUMINUM SADDLE	FIN.	FINISHED FLOOR	R.D.	ROOF DRAIN
B.C.	BUILDING CODE	FL.	FLOOR	REIN.	REINFORCE
BD.	BOARD	F.P.	FIREPROOF	REF.	REFRIGERATOR
BLDG.	BUILDING	F.P.S.C.	FIREPROOF SELF CLOSING	REQ.	REQUIRED
BLK.	BLOCK	FT.	FOOT	REV.	REVISION
BM.	BEAM	GA.	GAUGE	R.S.	RAISED SILL
B.C.	BOTTOM OF CURB	G.L.	GALVANIZED IRON	R.U.	REMOVABLE UNIT
B.O.	BOTTOM OF	GL.	GLASS	S.	SINK
BOT.	BOTTOM	GOVT.	GOVERNMENT	S.A.B.	SOUND ATTENUATION BLANKETS
B.P.	BEARING PLATE	H.B.	HOSE BIBB	SECT.	SECTION
BR.	BEDROOM	H.C.	HOLLOW CORE	S.F.	SQUARE FEET
B.S.A.	BOARD OF STANDARDS & APPEALS	HGT.	HEIGHT	SIM.	SIMILAR
B.S.B.	BETWEEN STOP BEADS	H.M.	HOLLOW METAL	S.S.	SERVICE SINK
B.U.	BUILT UP	H.M.C.	HOUSING MAINTENANCE CODE	STD.	STANDARD
C.L.	CENTER LINE	HR.	HOUR	STL.	STEEL
CAB.	CABINET	INSUL.	INSULATION	STR.	STAIR
CEM.	CEMENT	INT.	INTERIOR	SUSP.	SUSPENDED
CEM.PL.	CEMENT PLASTER	JT.	JOINT	T.	TOILET
CL.	CLOSET	K'TTE	KITCHENETTE	T.C.	TOP OF CURB
CLG.	CEILING	LAV.	LAVATORY	T.O.	TOP OF
COL.	COLUMN	LDR.	LEADER	T.L.	TRAFFIC LIGHT
CONC.	CONCRETE	LGT.	LIGHT	TYP.	TYPICAL
CONT.	CONTINUOUS	LIN.	LINEN CLOSET	U.L.	UNDERWRITER'S LAB
CORR.	CORRIDOR	L.P.	LIGHT POLE	V.C.T.	VINYL COMPOSITION TILE
CP.	CARPET	LR/D	LIVING ROOM/DINING	VEST.	VESTIBULE
C.T.	CERAMIC TILE	L.W.	LIGHTWEIGHT	W.	WIDE FLANGE
CU.FT.	CUBIC FEET	MACH.	MACHINE	W/	WITH
D.A.	DROPPED ARCH	MAS.	MASONRY	W.C.	WATER CLOSET
DEPT.	DEPARTMENT	MAX.	MAXIMUM	WD.	WOOD
DET.	DETAIL	M.C.	MEDICINE CABINET	W.G.	WINDOW GUARD
D.H.	DOUBLE HUNG	MECH.	MECHANICAL	W.GL.	WIRE GLASS
DIA.	DIAMETER	MIN.	MINIMUM	W.H.	WATER HEATER
DIM.	DIMENSION	M.O.	MASONRY OPENING	W.M.	WASHING MACHINE
DN.	DOWN	M.S.	MARBLE SADDLE	W.P.	WATERPROOF
DR.	DOOR	M.D.L.	MULTIPLE DWELLING LAW	W.R.	WATER RESISTANT
DWR.	DRAWER	N.I.C.	NOT IN CONTRACT	W.W.M.	WELDED WIRE MESH
DWG.	DRAWING	NO.	NUMBER	Y.D.	YARD DRAIN
EA.	EACH	O.C.	ON CENTER		
EL.	ELEVATION	O.D.	OUTSIDE DIAMETER		

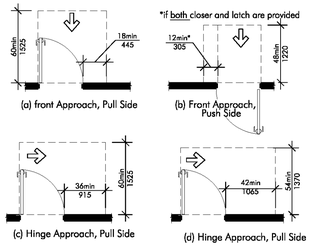
SYMBOLS

- DETAIL DESIGNATION (X / XXXXX)
- SECTION DESIGNATION (X / XXXXX)
- DOOR DESIGNATION (X)
- WALL DESIGNATION (X)
- FAN DIRECTION OF
- EXHAUST
- WINDOW DESIGNATION (X)
- EXHAUST DUCT EXHAUST
- 00'-00" T/WALL — SPOT ELEVATIONS
- FD — FLOOR

ADA COMPLIANCE PER ICC/ANSI A117.1-2003



Chapter 4. Accesible Routes



* If both closer and latch are provided
**48 min (1220) if both closed and latch provided

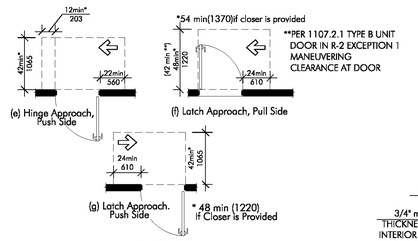


Fig. 404.2.3.1
Maneuvering Clearance at Manual Swinging Doors

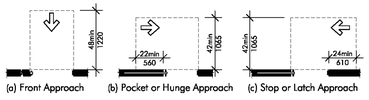
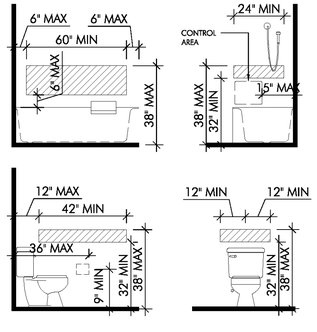
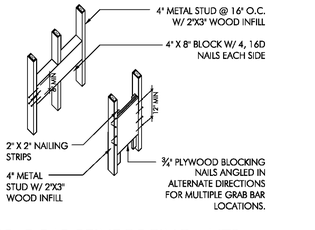


Fig. 404.2.3.2
Maneuvering Clearance at Siliding and Folding Doors

MANEUVERING CLEARANCES @ DOORS





GRAB BAR REINFORCING - NTS

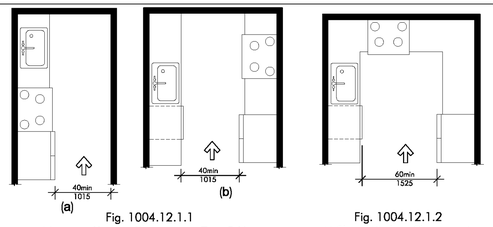
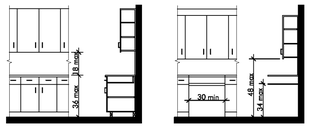
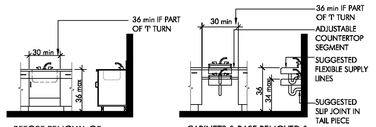


Fig. 1004.12.1.1
Minimum Kitchen Clearance in Type B Units

Fig. 1004.12.1.2
U-Shape Kitchen Clearance in Type B Units

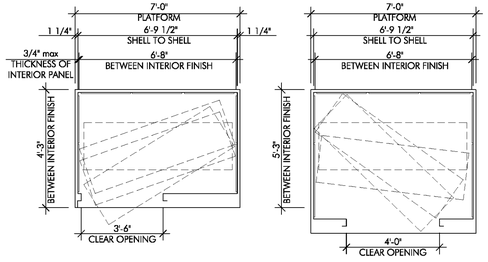


KITCHEN COUNTER ADAPTABLE CABINET

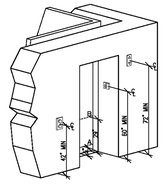


KITCHEN SINK ADAPTABLE CABINET

TYPE 'B" UNITS - KITCHENS



STRETCHER REQUIREMENTS



NOTE:

THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A AND LINE B REPRESENT THE VERTICAL LOCATIONS OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

ELEVATOR ENTRANCE

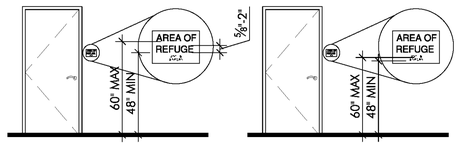


Fig. 703.3.10
HEIGHT OF RAISED CHARACTERS ABOVE FLOOR

Fig. 703.4.5
HEIGHT OF BRAILLE CHARACTERS ABOVE FLOOR

703.1 General. Accessible signs shall comply with Section 703. Tactile signs shall contain both raised characters and braille. Where signs with both visual and raised characters are required, either one sign with both visual and raised characters, or two separate signs, one with visual, and one with raised characters, shall be provided.

TACTILE SIGNAGE

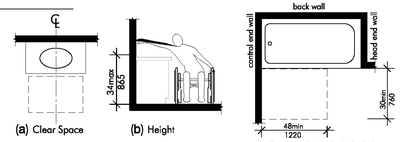


Fig. 1004.11.3.2.1
Lavatory in Type B units
Option B Bathrooms

Fig. 1004.11.3.2.3.1
Bathtub Clearance in Type B Units
Option B Bathrooms

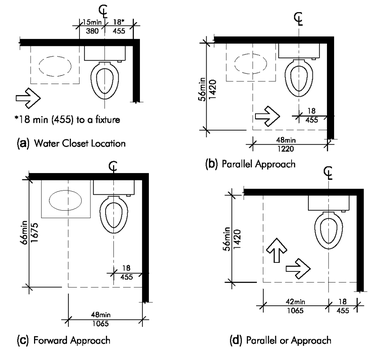


Fig. 1004.11.3.1.3.2
Water Closet in Type B Units

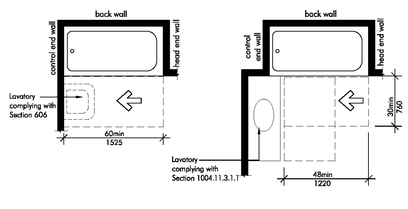


Fig. 1004.11.3.1.3.1
Parallel Approach Bathtub in Type b units - option A bathrooms

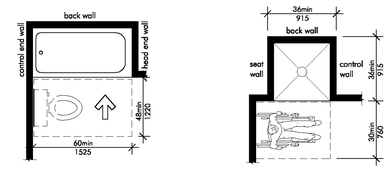
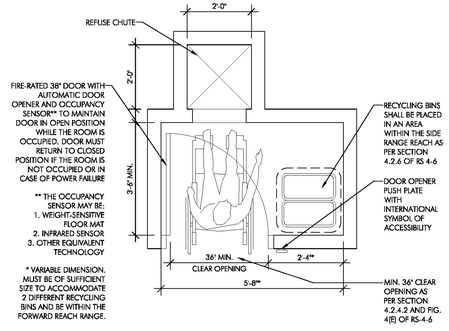


Fig. 1004.11.3.1.3.2
Forward Approach Bathtub in Type B Units
Option A Bathrooms

TYPE 'B" UNITS - BATHROOMS



TYPICAL REFUSE DISPOSAL/STORAGE ROOM

2008 NEW YORK CITY BUILDING CODE
CHAPTER 11: ACCESSIBILITY

SECTION BC 1101: GENERAL

1101.1 Scope. The provisions of this chapter and Appendices E, N and P shall control the design and construction of facilities for accessibility to persons with physical disabilities.

1101.2 Design. Buildings and facilities shall be designed and constructed to be accessible in accordance with this code and ICC A 117.1 (Accessible and Usable Buildings and Facilities).

SECTION BC 1102: DEFINITIONS

DWELLING UNIT (ACCESSIBILITY). For the purposes of Chapter 11 and applicable appendices: A single unit providing complete, independent living facilities for one or more persons, including permanent provisions for living, sleeping, eating, cooking and sanitation.

DWELLING UNIT OR SLEEPING UNIT, TYPE B. A dwelling unit or sleeping unit designed and constructed for accessibility in accordance with this code, Section 1004 (Type B Units) of ICC A117.1 where applicable, and Appendix P of this code where applicable, consistent with or exceeding the design and construction requirements of the federal Fair
Housing Act.

SECTION BC 1103: SCOPING REQUIREMENTS

1103.1 Where required. Buildings and structures, temporary or permanent, including their associated sites and facilities, shall be accessible to persons with physical disabilities.

1103.2 General exceptions. Sites, buildings, facilities and elements shall be exempt from this chapter to the extent specified in this section.

1103.2.1 Specific requirements. Accessibility is not required in buildings and facilities, or portions thereof, to the extent permitted by Sections 1104 through 1110.

1103.2.2 Existing buildings. Existing buildings shall comply with Section 28-101.4 of the Administrative Code.

SECTION BC 1104: ACCESSIBLE ROUTE

1104.1 Site arrival points. Accessible routes within the site shall be provided from public transportation stops, accessible parking and accessible passenger loading zones, and public streets or sidewalks to the accessible building entrance served.

1104.2 Within a site. At least one accessible route shall connect accessible buildings, accessible facilities, accessible elements and accessible spaces that are on the same site and shall comply with Section 1104.5.

1104.3 Connected spaces. When a building, or portion of a building, is required to be accessible, an accessible route shall be provided to each portion of the building, to accessible building entrances connecting accessible pedestrian walkways and the public way. Where only one accessible route is provided, the accessible route shall not pass through kitchens, storage rooms, restrooms, closets or similar spaces.

SECTION BC 1105: ACCESSIBLE ENTRANCES

1105.1 Public entrances. In addition to accessible entrances required by Sections 1105.1.1 through 1105.1.6, all public entrances shall be accessible.

1105.1.1 Parking garage entrances. Where provided, direct access for pedestrians from parking structures to buildings or facility entrances shall be accessible.

1105.1.6 Tenant spaces. All entrances to tenant spaces that are required to be accessible shall be accessible entrances.

1105.1.6.1 Dwelling units and sleeping units. Doors and doorways at entrance(s) to Accessible units, including hardware, shall comply with Section 404 (Doors and doorways) of ICC A 117.1. Doors and doorways, including hardware, at entrance(s) to Type B units shall comply with Section 1003.5 (Doors and doorways) of ICC Al 17. 1.

SECTION BC 1106: PARKING AND PASSENGER LOADING FACILITIES

1106.2 Groups R-2 and R-3. Where parking is provided for occupancies in Groups R-2 and R-3, which are required to haye Accessible or Type B dwelling or sleeping units, the number of accessible parking spaces shall he in compliance with Section 1106.1 and such number of accessible parking spaces shall be dispersed in accordance with Section 1106.6. Where parking is provided within or beneath a building, accessible parking spaces shall also be provided within or beneath the building.

SECTION BC 1107: DWELLING UNITS AND SLEEPING UNITS

1107.1 General. In addition to the other requirements of this chapter, occupancies having dwelling units or sleeping units shall be provided with accessible features in accordance with this section.

1107.2 Design. Dwelling units and sleeping units which are required to be Accessible units or Type B units shall comply l with this code including Appendix P where applicable, and the applicable provisions of Chapter 10 of ICC A117.1. In addition, Type B units in R-2 occupancies shall comply with Sections 1107.2.1 through 1107.2.8. Units required to be Type B units are permitted to be designed and constructed as Accessible units.

1107.2.1 Type B unit doors and doorways in R-2 occupancy. Doors and doorways at the entrance(s) to the dwelling or sleeping unit shall comply with Section 1105.1.6. All other doors and doorways within the dwelling or sleeping unit meant for human passage shall comply with Section 1003.5 (Doors and Doorways) of ICC Al 17.1. In addition, doors and doorways serving toilet and bathing facilities that are required to comply with Appendix P shall also comply with Section P102.3.

Exceptions:

1. **Maneuvering clearance at doors.** Where pull side, latch approach maneuvering clearance is required within the dwelling or sleeping unit for a door without a closer as per Figure 404.2.3.1(f) of ICC A 117.1, the minimum maneuvering clearance perpendicular to the doorway shall be permitted to be reduced to 42 inches (1067 mm).
3. **Future reversibility for bedroom doors.** Bed- room doors and frames shall be permitted to be provided with mortised hinge and latch blanks to permit future reversal of the door on the same frame using common hand tools and without further alterations to the door and frame, provided such future swing of the door will not obstruct the maneuvering clearances required at the door or doorway.

1107.2.2 Type B unit toilet and bathing facilities in R-2 occupancy. Where toilet and bathing facilities are provided in the dwelling unit or sleeping unit, all such toilet and bathing facilities shall comply with Appendix P.

1107.2.3 Type B unit kitchen and kitchenette in R-2 occupancy. Where kitchens and kitchenettes are provided in the dwelling unit or sleeping unit, the primary kitchen or kitchenette shall be constructed in accordance with the kitchen requirements of Section 1003.12 (Kitchen) of ICC A117.1 and Sections 1107.2.3.1 through 1107.2.3.4. Secondary kitchens and kitchenettes within the same dwelling unit or sleeping unit shall be required to comply only with Section 1004.12 (Kitchens) of ICC A117.1.

1107.2.3.4 Kitchen and kitchenette storage. Kitchen storage, kitchen cabinets, drawers, and shelf storage areas, within kitchen and kitchenettes that are required to comply with Section 1003.12 of ICC Al 17.1 pursuant to Section 1107.2.3, except overhead cabinets, shall comply with Section 905 (Storage Facilities) of ICC A117.1.
In addition, at least one storage shelf or cabinet, mounted above work counters at 48 inches (1219 mm) maximum above the floor, shall be provided.

1107.3 Accessible spaces. Rooms and spaces available to the general public or available for use by residents of Accessible units or Type B units shall be accessible. Accessible spaces shall include, but not be limited to, spaces for residents' use, such as laundry rooms, refuse disposal and storage locations, mailbox areas, recreational facilities, assembly and tenants'
meeting rooms, storage rooms, parking areas, toilet and bathing rooms, kitchen, living and dining areas, any exterior spaces, including patios, terraces and balconies, management offices, and stores.

1107.4 Accessible route. At least one accessible route shall connect accessible building or facility entrances with the required accessible entrance(s) at each Accessible unit and Type B unit within the building or facility and with those exterior and interior spaces and facilities that serve the units.

1107.6 Group R. Occupancies in Group R shall be provided with accessible features in accordance with Sections 1107.6.1 through 1107.6.3.

1107.6.1.2 Type B units. In structures with four or more dwelling or sleeping units intended to be occupied as a residence, every dwelling and sleeping unit intended to be occupied as a residence shall be a Type B unit.

1107.6.1.4 Boarding houses, dormitories, fraternity houses and sorority houses. Accessible units and Type B dwelling units and sleeping units shall be provided in boarding houses, dormitories, fraternity houses and sorority houses in accordance with Sections 1107.6.1.4.1 and 1107.6.1.4.2.

1107.6.2 Group R-2. Accessible units and Type B units shall be provided in occupancies in Group R-2 in accordance with Section 1107.6.2.1.

1107.6.2.1 Apartment houses, monasteries and con- vents. Type B units shall be provided in apartment houses, monasteries and convents in accordance with Section 1107.6.2.1.1.

1107.6.2.1.1 Type B units. Every dwelling unit and sleeping unit, regardless of intent to occupy such unit as a residence, shall be a Type B unit and shall comply with Section 1107.2, and Sections 1107.2.1 through 1107.2.8.

1107.7 General exceptions. Where specifically permitted by Section 1107.6, the required number of Type B units is permitted to be reduced in accordance with Sections 1107.7.1 through 1107.7.3.

1107.7.1 Buildings without elevator service. Where no elevator service is provided in a building, only the dwelling and sleeping units that are located on stories indicated in Sections 1107.7.1.1 and 1107.7.1.2 are required to be Type B units.

1107.7.3 Elevator service to the lowest story with units. Where elevator service in the building is provided for the sole purpose of complying with the provisions of Section 1107.7.1.1 to serve as an accessible route only to the lowest story containing dwelling or sleeping units intended to be occupied as a residence, only the units intended to be occupied l as a residence on the lowest story served by the elevator are required to be Type B units.

SECTION BC 1109: OTHER FEATURES AND FACILITIES

1109.l General. Accessible building features and facilities shall be provided in accordance with 1109'2 through 1109.15.

Exception: Type B dwelling and sleeping units shall comply with Section 1107 and ICC A117.1.

1109.2 Toilet and bathing facilities. Toilet rooms and bathing facilities shall be accessible. Where a floor level is not required to be connected by an accessible route, the only toilet rooms or bathing facilities provided within the facility shall not be located on the in accessible floor. At least one of each type of fixture, element, control or dispenser in each accessible toilet room and bathing facility shall be accessible.

1109.4 Kitchens, kitchenettes and wet bars. Where kitchen, kitchenettes and wet bars not located within dwelling or sleeping units, are provided in accessible spaces or rooms, they shall be accessible in accordance with ICC A117.1 including Section 804 (Kitchens and Kitchenettes).

1109.5 Drinking fountains. On floors where drinking fountains are provided, at least 50 percent, but not less than one fountain, shall be accessible.

1109.6 Elevators. Passenger elevators on an accessible route shall be accessible and comply with 3001.3.

1109.13 Controls, operating mechanisms and hardware. Controls, operating mechanisms and hardware intended for operation by the occupant, including switches that control lighting and ventilation, and electrical convenience outlets, in accessible spaces, along accessible routes or as parts of accessible elements shall be accessible.

1109.14 Recreational facilities. Recreational facilities shall y be accessible.

SECTION BC 1110: SIGNAGE

1110.1 Signs. Required accessible elements shall be identified by the International Symbol of Accessibility at the following locations:(See BC 1110.1 for list).

1110.2 Directional signage. Directional signage indicating the route to the nearest like accessible element shall be provided at the following locations. These directional signs shall include the International Symbol of Accessibility: (See BC 1110.2 for list).

1110.3 Other signs. Signage indicating special accessibility provisions shall be provided as follows: (See BC T110.3 for list).

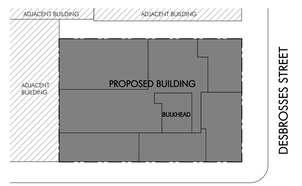
FOR DOB USE ONLY

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

ADA NOTES

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: G-004.00

DATE: 08/26/15

JOB #: 14J15

DRAWN BY: SP

BIS #:

SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

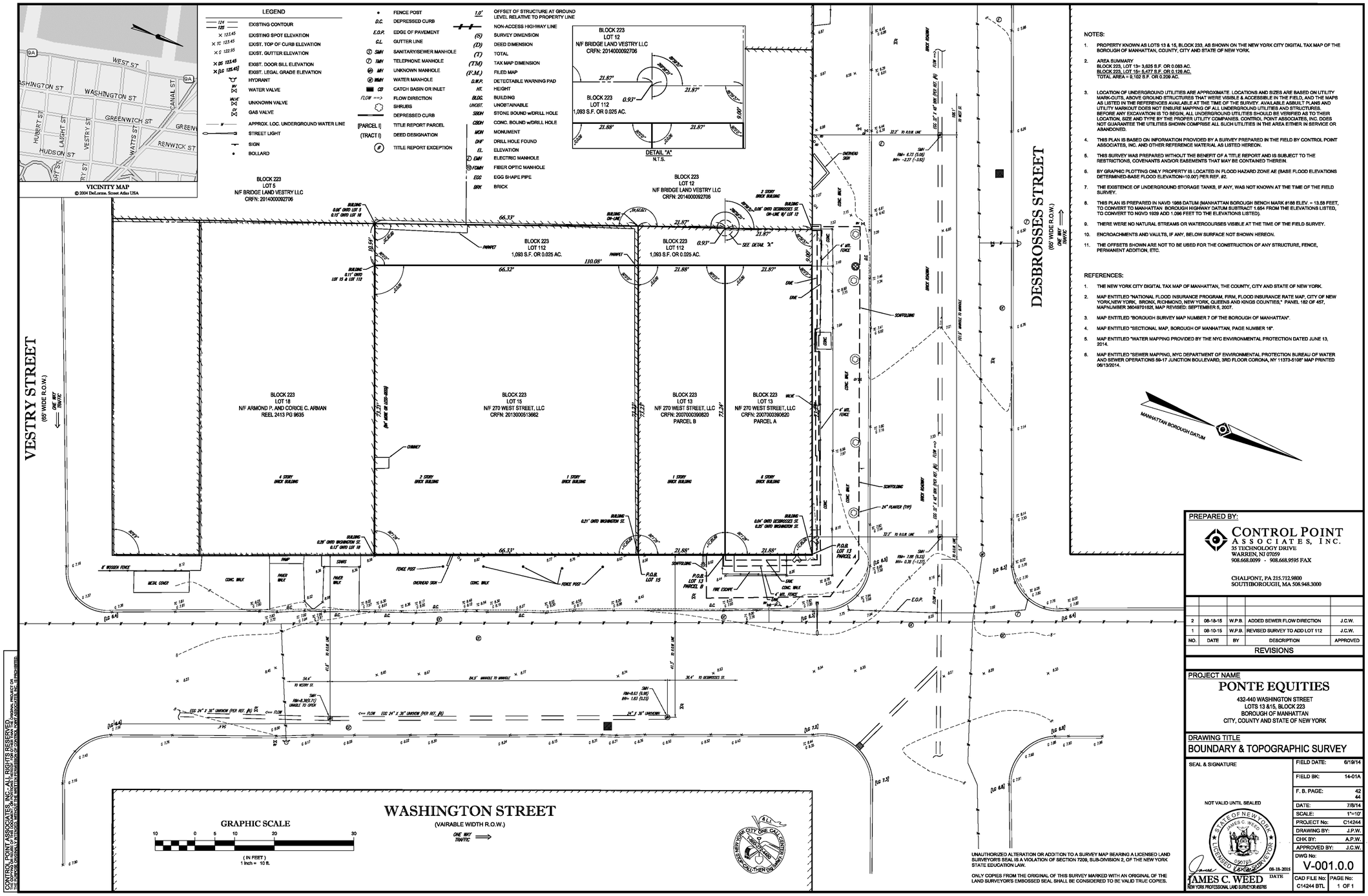
8/27/2015 11:23:07 AM

PONTE RESIDENCES

VICINITY MAP

LEGEND

124	EXISTING CONTOUR
× 123.45	EXISTING SPOT ELEVATION
× TC 123.45	EXIST. TOP OF CURB ELEVATION
× G 122.95	EXIST. GUTTER ELEVATION
× DS 123.45	EXIST. DOOR SILL ELEVATION
× (LG 125.45)	EXIST. LEGAL GRADE ELEVATION
	HYDRANT
WVE	WATER VALVE
UVE	UNKNOWN VALVE
GVE	GAS VALVE
W	APPROX. LOC. UNDERGROUND WATER LINE
	STREET LIGHT
	SIGN
	BOLLARD
	FENCE POST
D.C.	DEPRESSED CURB
E.O.P.	EDGE OF PAVEMENT
C.L.	GUTTER LINE
SMH	SANITARY/SEWER MANHOLE
TMH	TELEPHONE MANHOLE
MH	UNKNOWN MANHOLE
WMH	WATER MANHOLE
CB	CATCH BASIN OR INLET
FLOW ==>	FLOW DIRECTION
	SHRUBS
	DEPRESSED CURB
[PARCEL I]	TITLE REPORT PARCEL
(TRACT I)	DEED DESIGNATION
#	TITLE REPORT EXCEPTION
1.0'	OFFSET OF STRUCTURE AT GROUND LEVEL RELATIVE TO PROPERTY LINE
	NON-ACCESS HIGHWAY LINE
(S)	SURVEY DIMENSION
(D)	DEED DIMENSION
(T)	TOTAL
(TM)	TAX MAP DIMENSION
(F.M.)	FILED MAP
D.W.P.	DETECTABLE WARNING PAD
HT.	HEIGHT
BLDG.	BUILDING
UNOBT.	UNOBTAINABLE
SSDH	STONE BOUND w/DRILL HOLE
CBDH	CONC. BOUND w/DRILL HOLE
MON	MONUMENT
DHF	DRILL HOLE FOUND
EL.	ELEVATION
ELMH	ELECTRIC MANHOLE
FOMH	FIBER OPTIC MANHOLE
EGG	EGG SHAPE PIPE
BRK	BRICK



GRAPHIC SCALE

10 0 5 10 20 30

(IN FEET)
1 inch = 10 ft.

ALL NEW YORK CITY ONE CALL LOCATIONS REQUESTED 1-800-272-4480 REQUEST NUMBER 090

NOTES:

1. PROPERTY KNOWN AS LOTS 13 & 15, BLOCK 233, AS SHOWN ON THE NEW YORK CITY DIGITAL TAX MAP OF THE BOROUGH OF MANHATTAN, COUNTY, CITY AND STATE OF NEW YORK.
2. AREA SUMMARY
   BLOCK 223, LOT 13= 3,625 S.F. OR 0.083 AC.
   BLOCK 223, LOT 15= 5,477 S.F. OR 0.126 AC.
   TOTAL AREA = 9,102 S.F. OR 0.209 AC.
3. LOCATION OF UNDERGROUND UTILITIES ARE APPROXIMATE. LOCATIONS AND SIZES ARE BASED ON UTILITY MARK-OUTS, ABOVE GROUND STRUCTURES THAT WERE VISIBLE & ACCESSIBLE IN THE FIELD, AND THE MAPS AS LISTED IN THE REFERENCES AVAILABLE AT THE TIME OF THE SURVEY. AVAILABLE ASBUILT PLANS AND UTILITY MARKOUT DOES NOT ENSURE MAPPING OF ALL UNDERGROUND UTILITIES AND STRUCTURES. BEFORE ANY EXCAVATION IS TO BEGIN, ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED AS TO THEIR LOCATION, SIZE AND TYPE BY THE PROPER UTILITY COMPANIES. CONTROL POINT ASSOCIATES, INC. DOES NOT GUARANTEE THE UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA EITHER IN SERVICE OR ABANDONED.
4. THIS PLAN IS BASED ON INFORMATION PROVIDED BY A SURVEY PREPARED IN THE FIELD BY CONTROL POINT ASSOCIATES, INC. AND OTHER REFERENCE MATERIAL AS LISTED HEREON.
5. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO THE RESTRICTIONS, COVENANTS AND/OR EASEMENTS THAT MAY BE CONTAINED THEREIN.
6. BY GRAPHIC PLOTTING ONLY PROPERTY IS LOCATED IN FLOOD HAZARD ZONE AE (BASE FLOOD ELEVATIONS DETERMINED-BASE FLOOD ELEVATION=10.00') PER REF. #2.
7. THE EXISTENCE OF UNDERGROUND STORAGE TANKS, IF ANY, WAS NOT KNOWN AT THE TIME OF THE FIELD SURVEY.
8. THIS PLAN IS PREPARED IN NAVD 1988 DATUM (MANHATTAN BOROUGH BENCH MARK #188 ELEV. = 13.58 FEET, TO CONVERT TO MANHATTAN BOROUGH HIGHWAY DATUM SUBTRACT 1.654 FROM THE ELEVATIONS LISTED, TO CONVERT TO NGVD 1929 ADD 1.096 FEET TO THE ELEVATIONS LISTED).
9. THERE WERE NO NATURAL STREAMS OR WATERCOURSES VISIBLE AT THE TIME OF THE FIELD SURVEY.
10. ENCROACHMENTS AND VAULTS, IF ANY, BELOW SURFACE NOT SHOWN HEREON.
11. THE OFFSETS SHOWN ARE NOT TO BE USED FOR THE CONSTRUCTION OF ANY STRUCTURE, FENCE, PERMANENT ADDITION, ETC.

REFERENCES:

1. THE NEW YORK CITY DIGITAL TAX MAP OF MANHATTAN, THE COUNTY, CITY AND STATE OF NEW YORK.
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, CITY OF NEW YORK,NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS AND KINGS COUNTIES," PANEL 182 OF 457, MAP NUMBER 3604970182, MAP REVISED: SEPTEMBER 5, 2007.
3. MAP ENTITLED "BOROUGH SURVEY MAP NUMBER 7 OF THE BOROUGH OF MANHATTAN".
4. MAP ENTITLED "SECTIONAL MAP, BOROUGH OF MANHATTAN, PAGE NUMBER 16".
5. MAP ENTITLED "WATER MAPPING PROVIDED BY THE NYC ENVIRONMENTAL PROTECTION DATED JUNE 13, 2014.
6. MAP ENTITLED "SEWER MAPPING, NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER AND SEWER OPERATIONS 59-17 JUNCTION BOULEVARD, 3RD FLOOR CORONA, NY 11373-5108" MAP PRINTED 06/13/2014.

MANHATTAN BOROUGH DATUM

UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.

ONLY COPIES FROM THE ORIGINAL OF THIS SURVEY MARKED WITH AN ORIGINAL OF THE LAND SURVEYOR'S EMBOSSED SEAL SHALL BE CONSIDERED TO BE VALID TRUE COPIES.

PREPARED BY:

CONTROL POINT ASSOCIATES, INC.
35 TECHNOLOGY DRIVE
WARREN, NJ 07059
908.668.0099 - 908.668.9595 FAX

CHALFONT, PA 215.712.9800
SOUTHBOROUGH, MA 508.948.3000

NO.	DATE	BY	DESCRIPTION	APPROVED
2	08-18-15	W.P.B.	ADDED SEWER FLOW DIRECTION	J.C.W.
1	08-10-15	W.P.B.	REVISED SURVEY TO ADD LOT 112	J.C.W.

REVISIONS

PROJECT NAME
PONTE EQUITIES
432-440 WASHINGTON STREET
LOTS 13 &15, BLOCK 223
BOROUGH OF MANHATTAN
CITY, COUNTY AND STATE OF NEW YORK

DRAWING TITLE
BOUNDARY & TOPOGRAPHIC SURVEY

SEAL & SIGNATURE

NOT VALID UNTIL SEALED

STATE OF NEW YORK · JAMES C. WEED · LICENSED LAND SURVEYOR · 050785

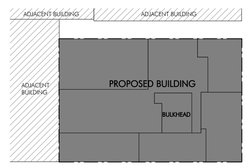
08-18-2015
JAMES C. WEED
NEW YORK PROFESSIONAL LAND SURVEYOR #50785

FIELD DATE:	6/19/14
FIELD BK:	14-01A
F. B. PAGE:	42 44
DATE:	7/8/14
SCALE:	1"=10'
PROJECT No:	C14244
DRAWING BY:	J.P.W.
CHK BY:	A.P.W.
APPROVED BY:	J.C.W.
DWG No:	V-001.0.0
CAD FILE No:	C14244 BTL
PAGE No:	1 OF 1

FOR DOB USE ONLY

PROJECT TITLE:
PONTE EQUITIES, INC

KEY PLAN:



CLIENT:
PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:
440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:
SURVEY

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
t:212.675.6470 f:212.675.6728

SEAL & SIGNATURE:

DRAWING #:
C-001.00

DATE:
08/26/15

JOB #:
14J15

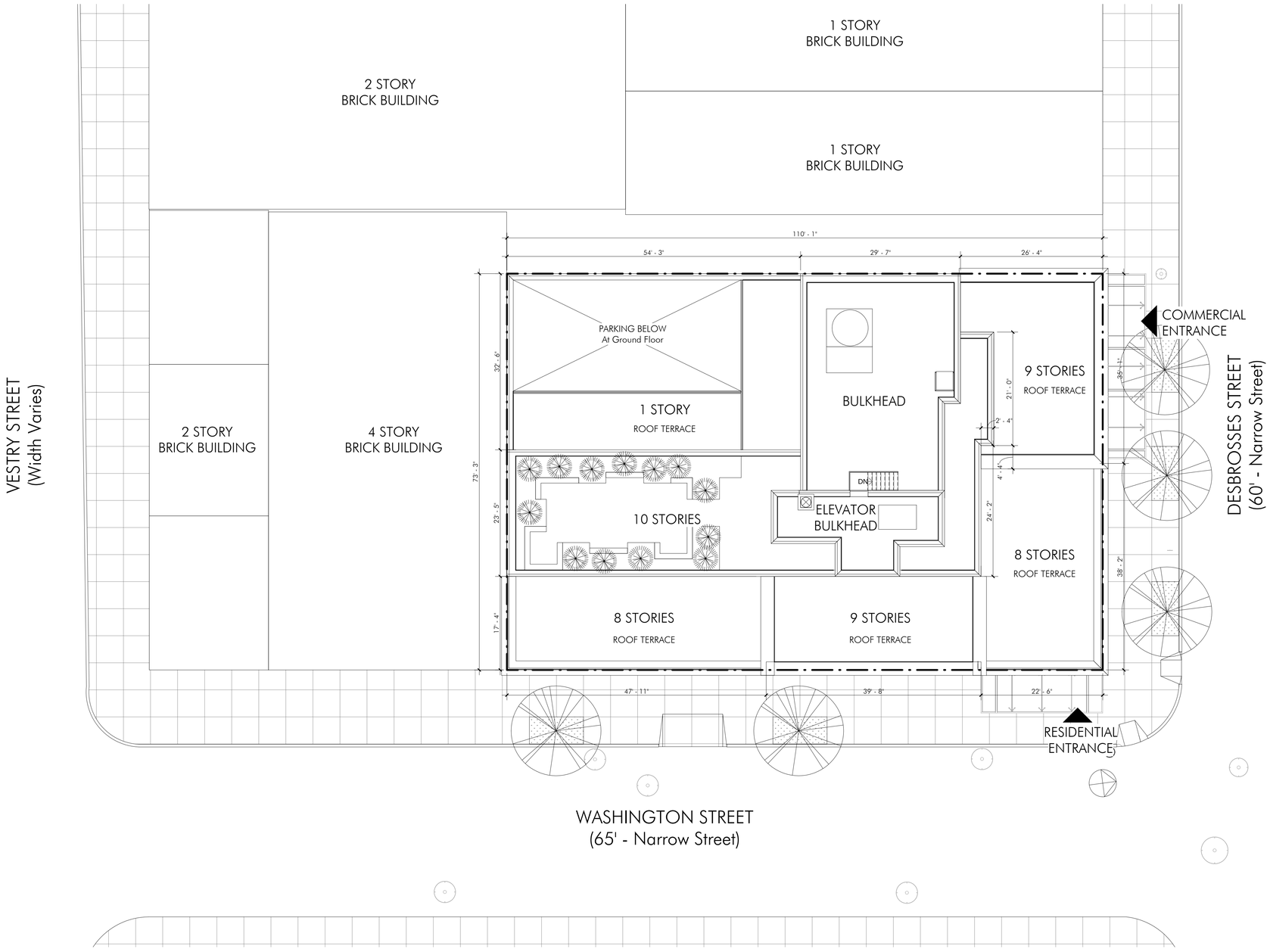
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

7 OF 20

8/27/2015 11:22:21 AM

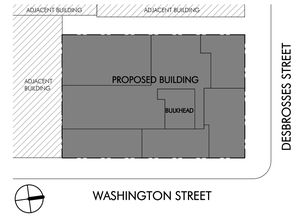


PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

SITE PLAN

ARCHITECT:
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ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
t:212.675.6470 f:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-001.00

DATE: 08/26/15

JOB #: 14J15

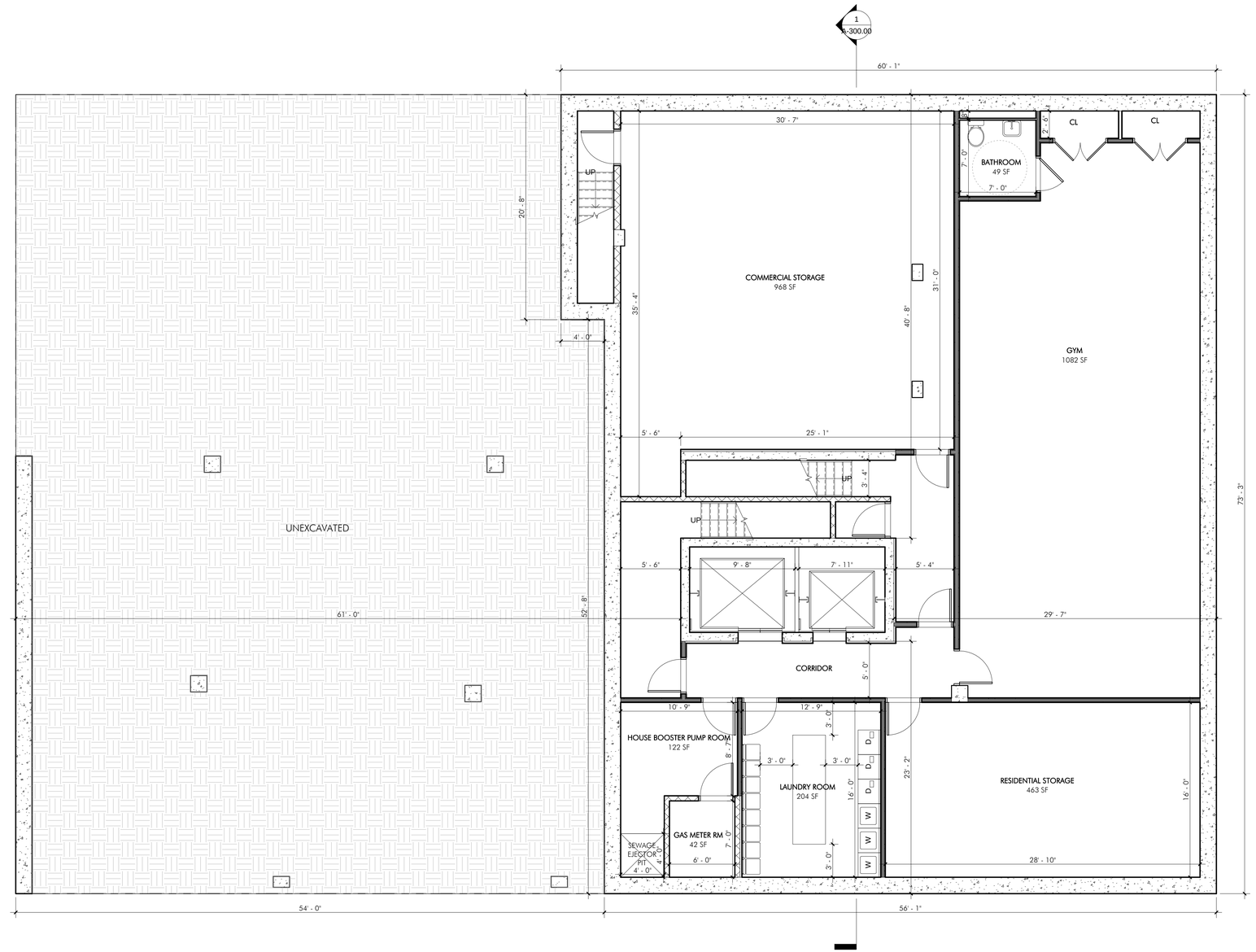
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:14:44 AM



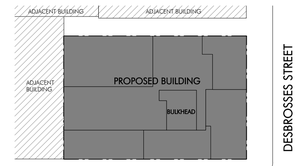
1 Cellar 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

CELLAR PLAN

ARCHITECT:

OCV
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ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
t 212.675.6470 f 212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-110.00

DATE: 08/26/15

JOB #: 14J15

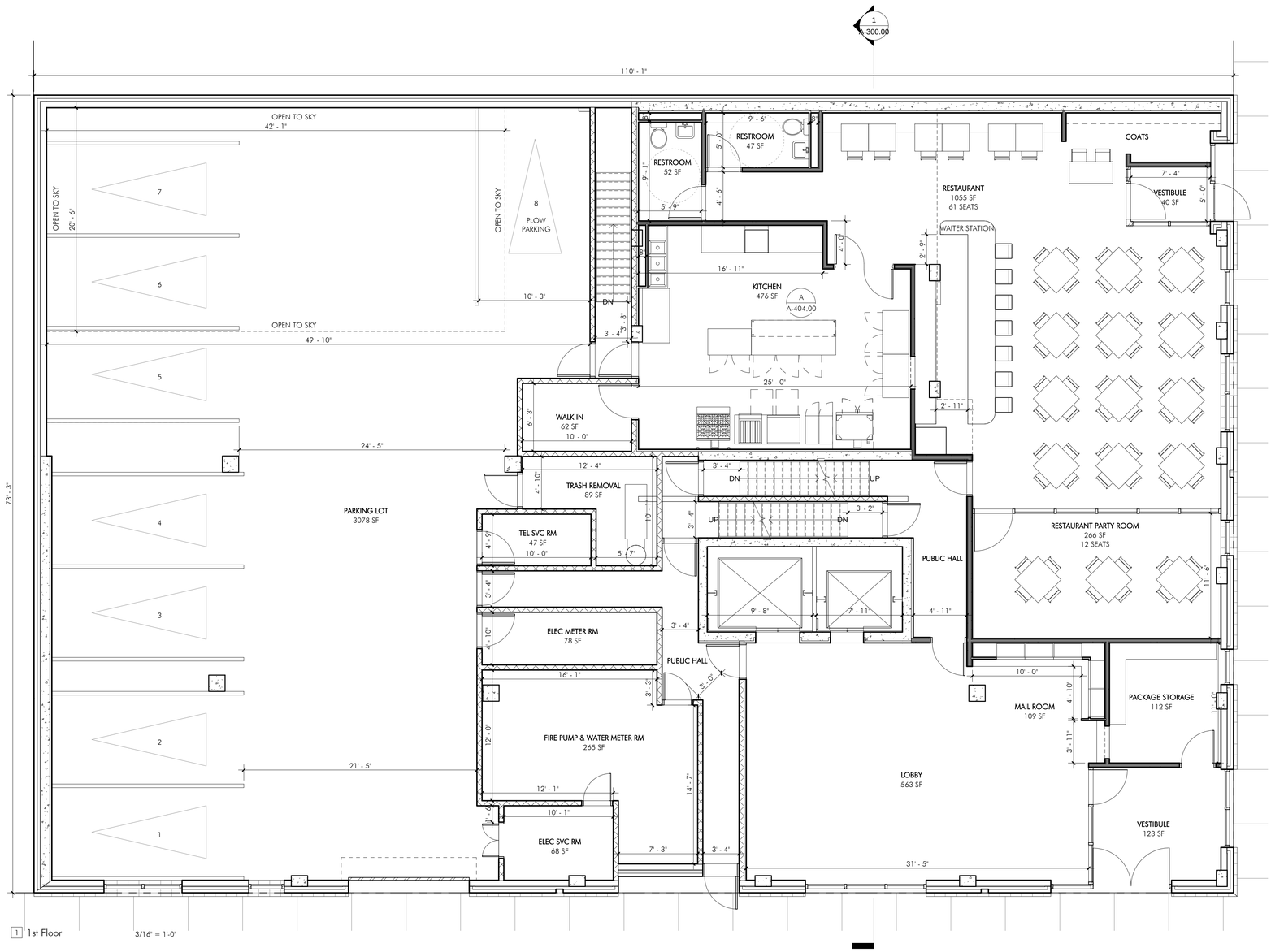
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:37:40 AM



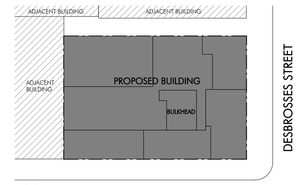
1 1st Floor 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

GROUND FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-111.00

DATE: 08/26/15

JOB #: 14J15

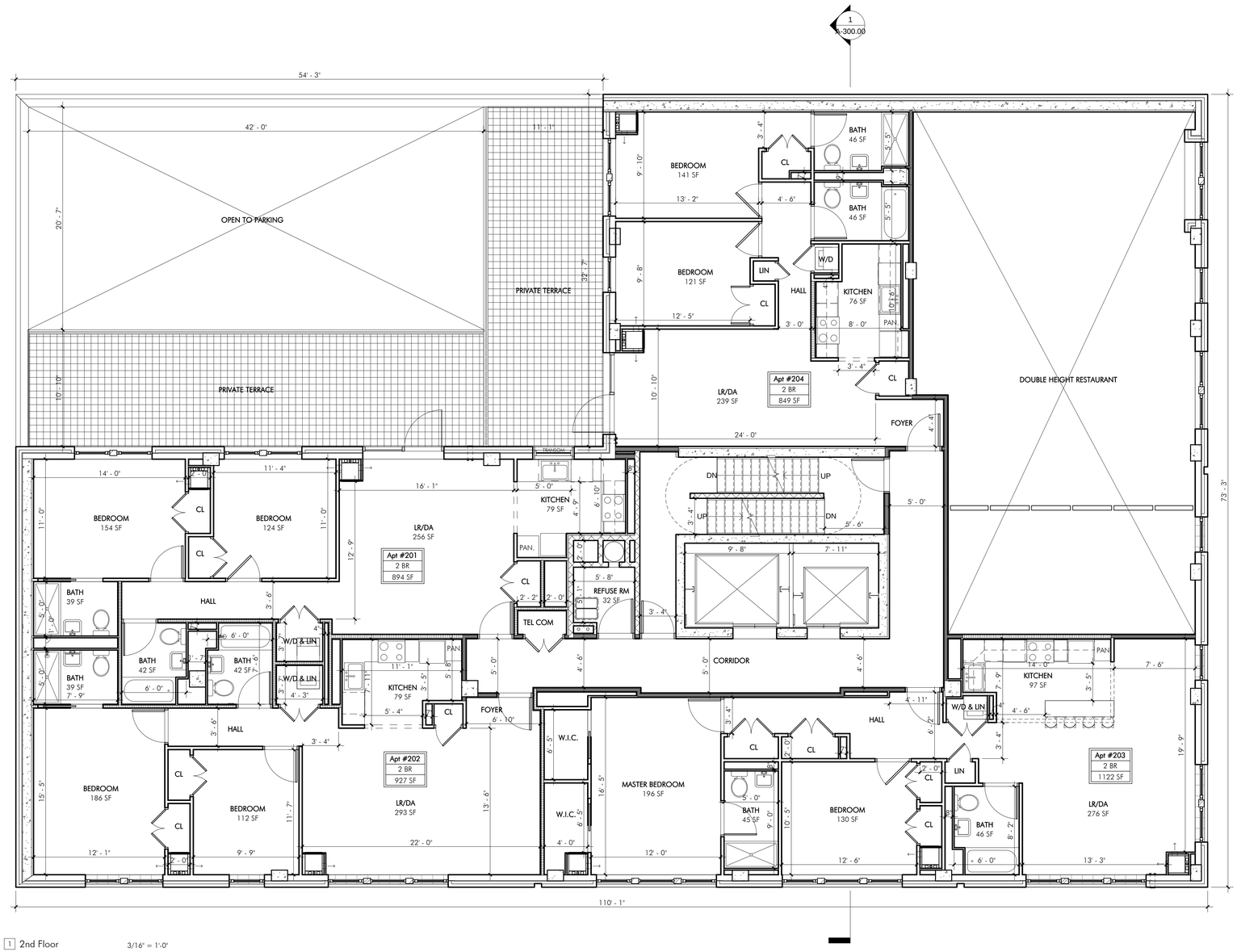
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:14:50 AM



1 2nd Floor 3/16" = 1'-0"

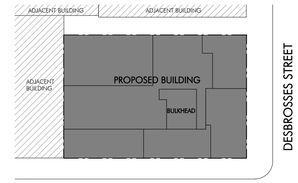
APARTMENT DISTRIBUTION	
# BEDROOMS	COUNT
2nd Floor	
2 BR	4
3rd Floor (Typical)	
1 BR	1
2 BR	5
4th Floor	
1 BR	1
2 BR	5
5th Floor	
1 BR	1
2 BR	5
6th Floor	
1 BR	1
2 BR	5
7th Floor	
1 BR	1
2 BR	5
8th Floor	
1 BR	1
2 BR	5
9th Floor	
1 BR	1
2 BR	2
3 BR	1
10th Floor	
2 BR	1
	45

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

2ND FLOOR PLAN

ARCHITECT:
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14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
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SEAL & SIGNATURE:

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DRAWING #: A-112.00

DATE: 08/26/15

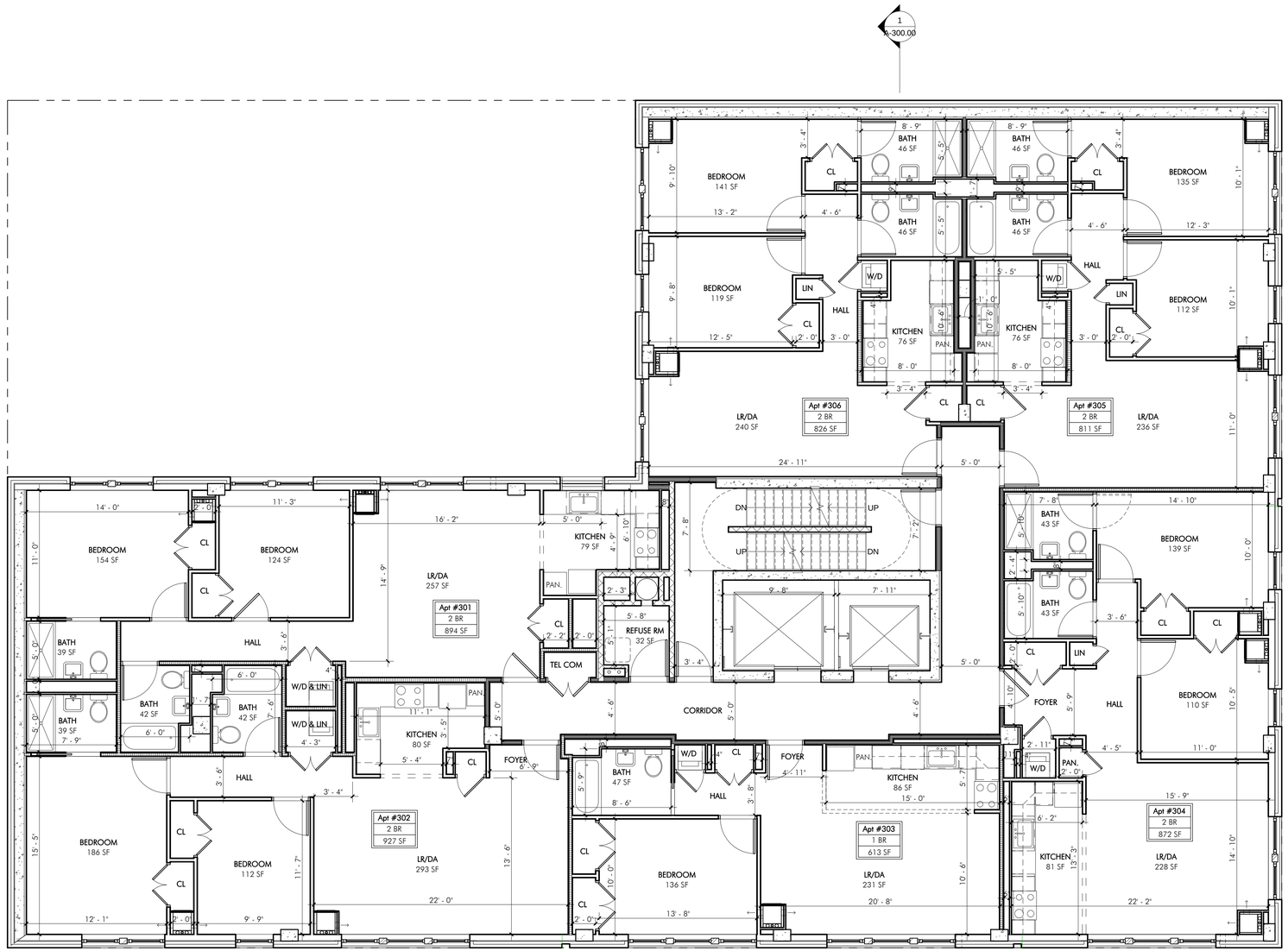
JOB #: 14J15

DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

8/27/2015 11:14:53 AM



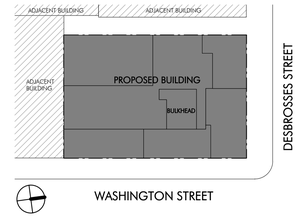
1 3rd - 8th Floors 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

TYPICAL FLOOR PLAN (3RD-8TH)

ARCHITECT:

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ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-113.00

DATE: 08/26/15

JOB #: 14J15

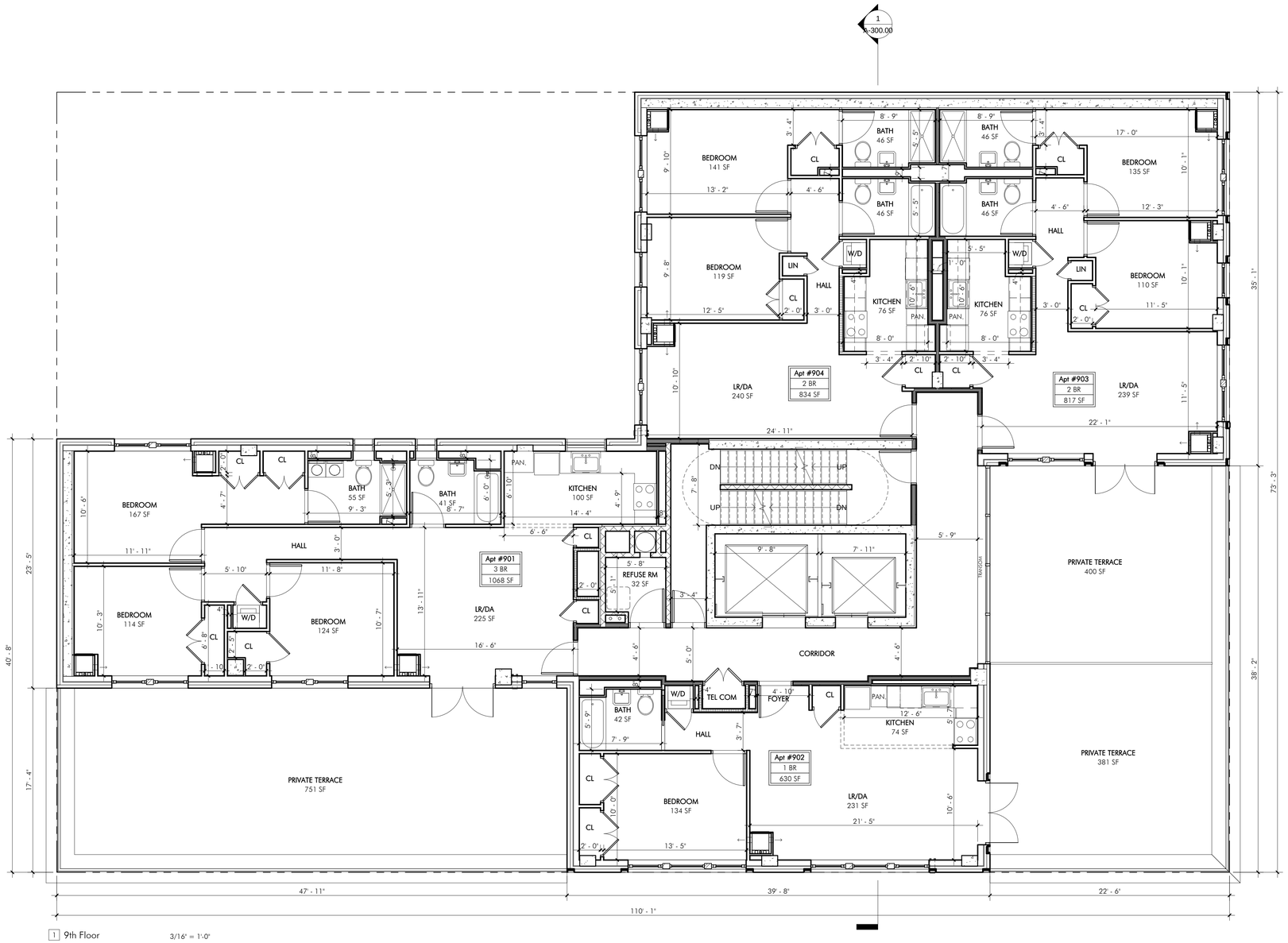
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:14:56 AM



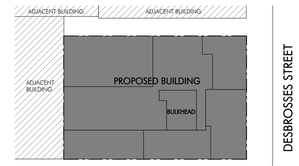
1 9th Floor 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

9TH FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T.212.675.6470 F.212.675.6728

SEAL & SIGNATURE:

DRAWING #:

A-114.00

DATE:
08/26/15

JOB #:
14J15

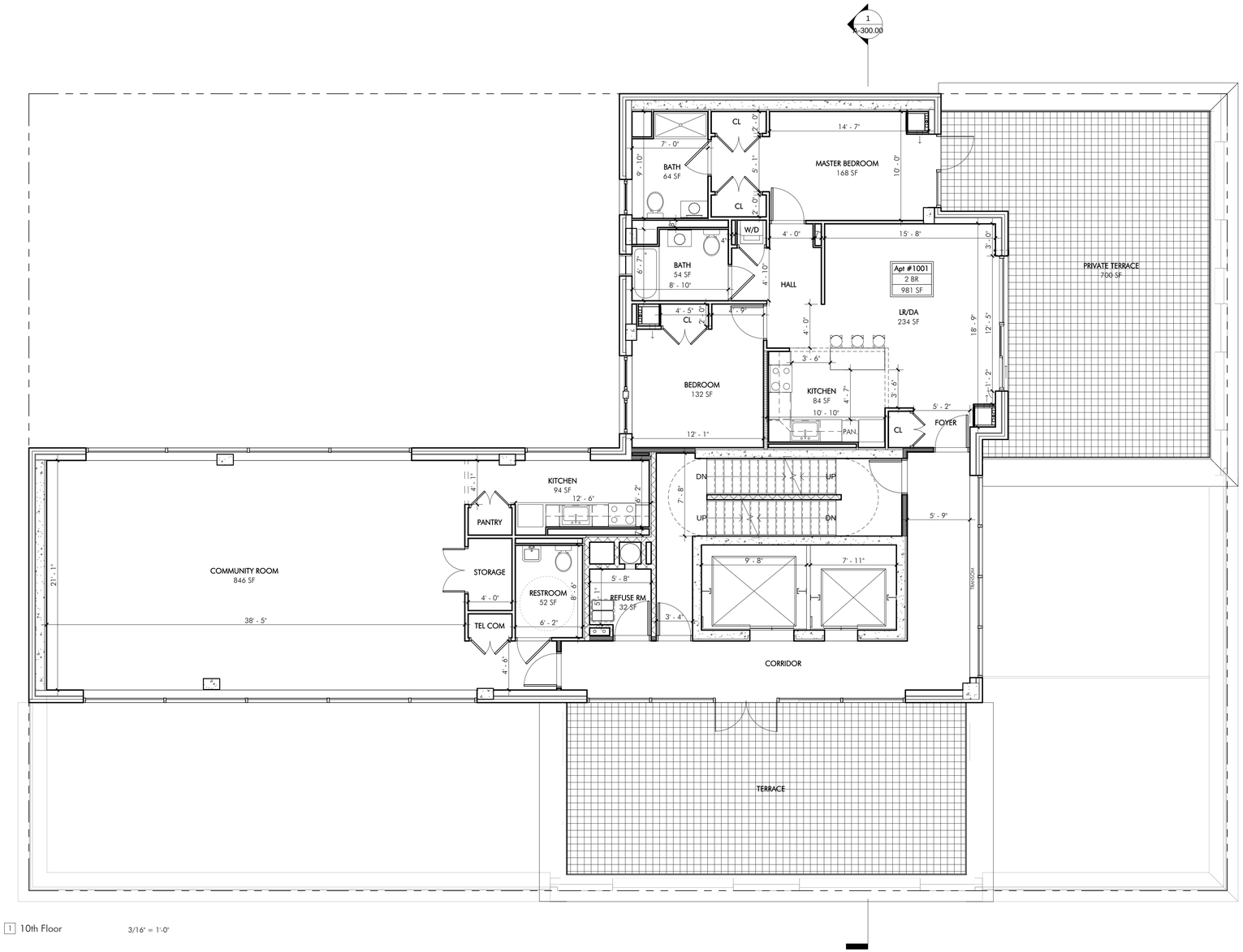
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:14:59 AM



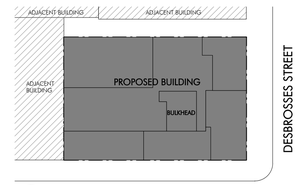
1 10th Floor 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

10TH FLOOR PLAN

ARCHITECT:

OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
t:212.675.6470 f:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-115.00

DATE: 08/26/15

JOB #: 14J15

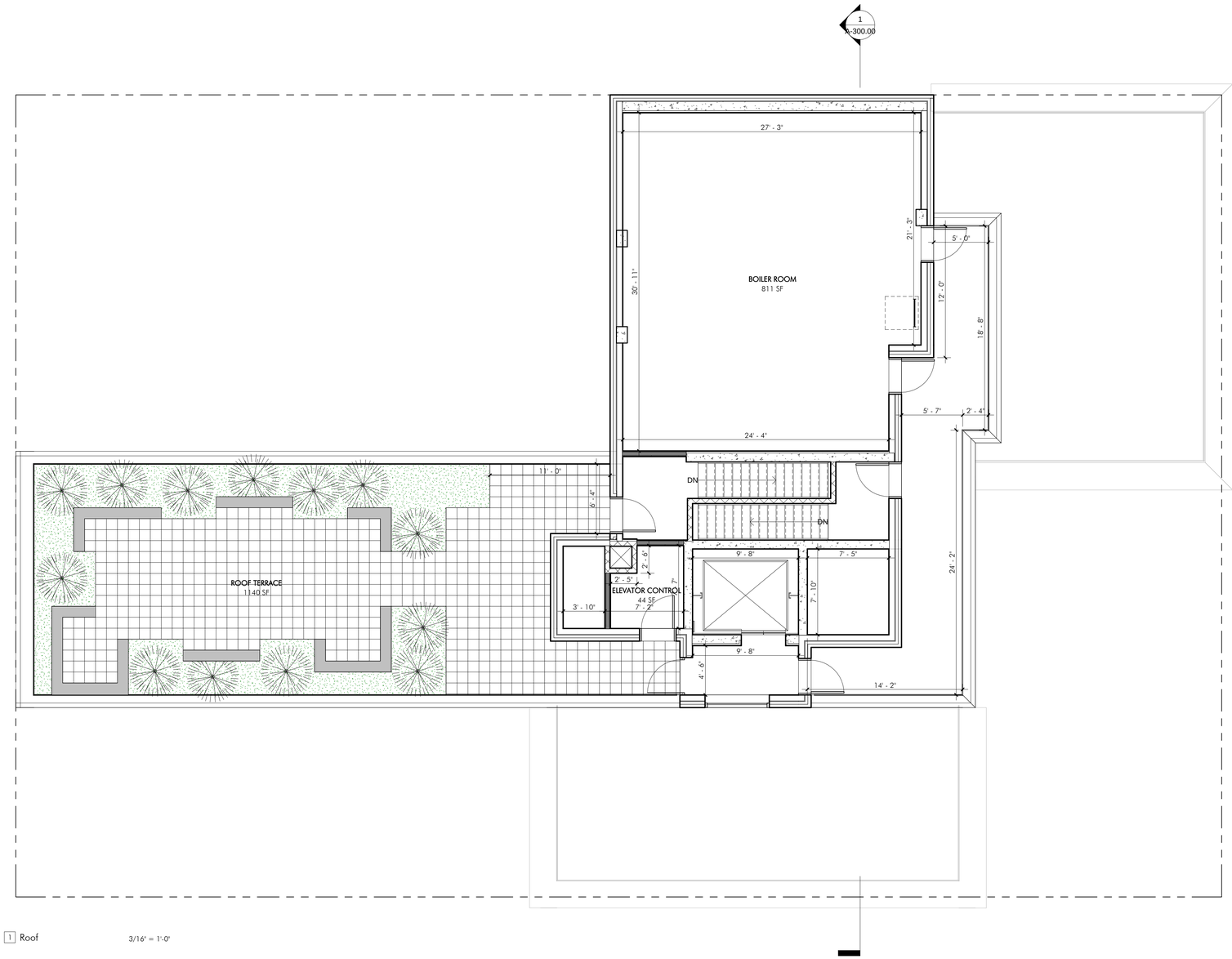
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:37:42 AM



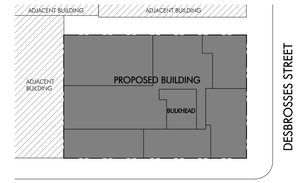
1 Roof 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

ROOF PLAN

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-116.00

DATE: 08/26/15

JOB #: 14J15

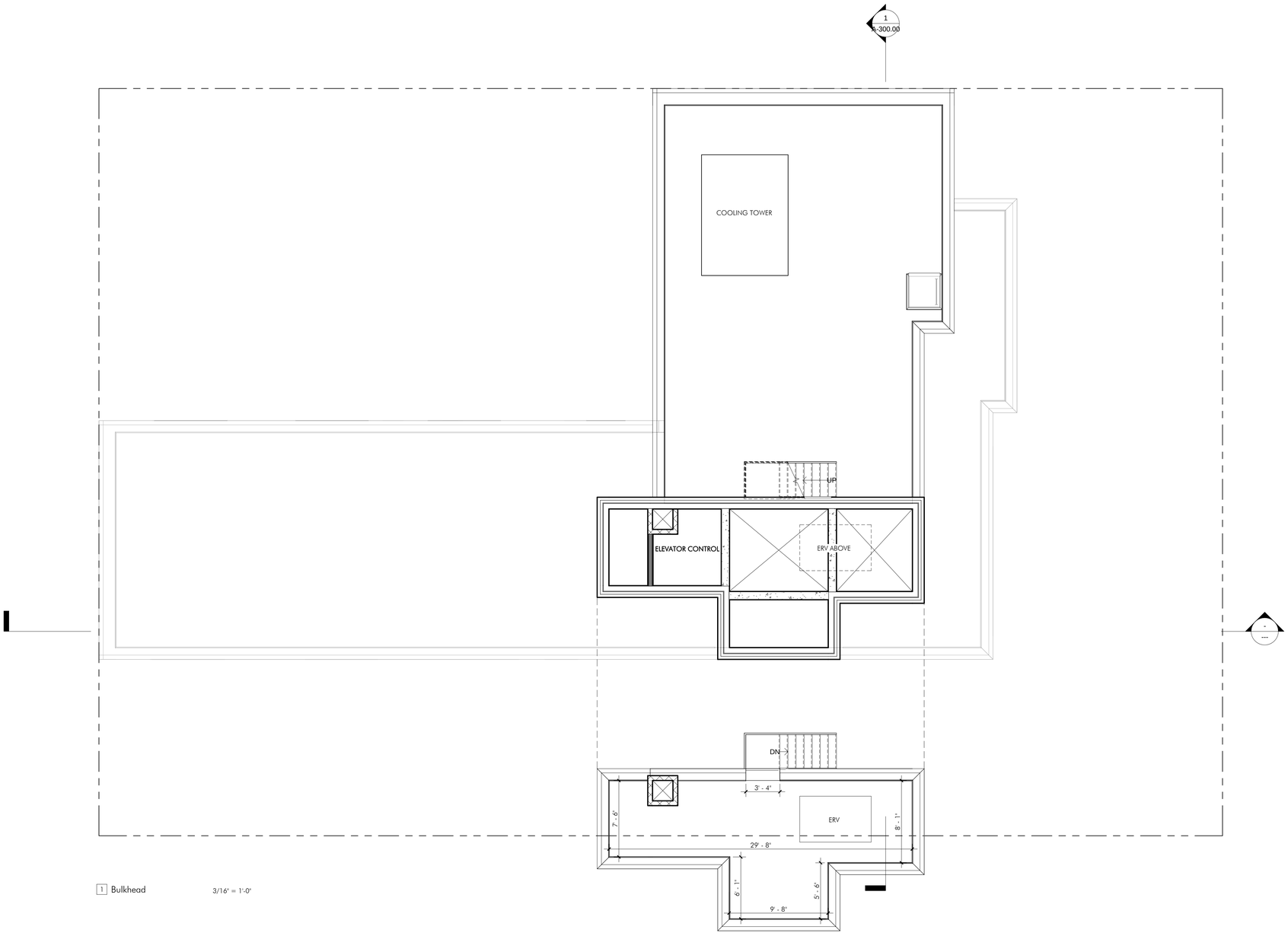
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:15:02 AM



1 Bulkhead 3/16" = 1'-0"

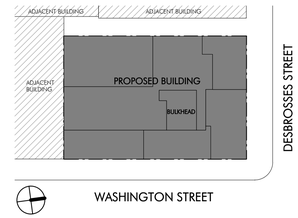
2 Elevator Bulkhead 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

BULKHEAD PLAN

ARCHITECT:
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:
A-117.00

DATE:
08/26/15

JOB #:
14J15

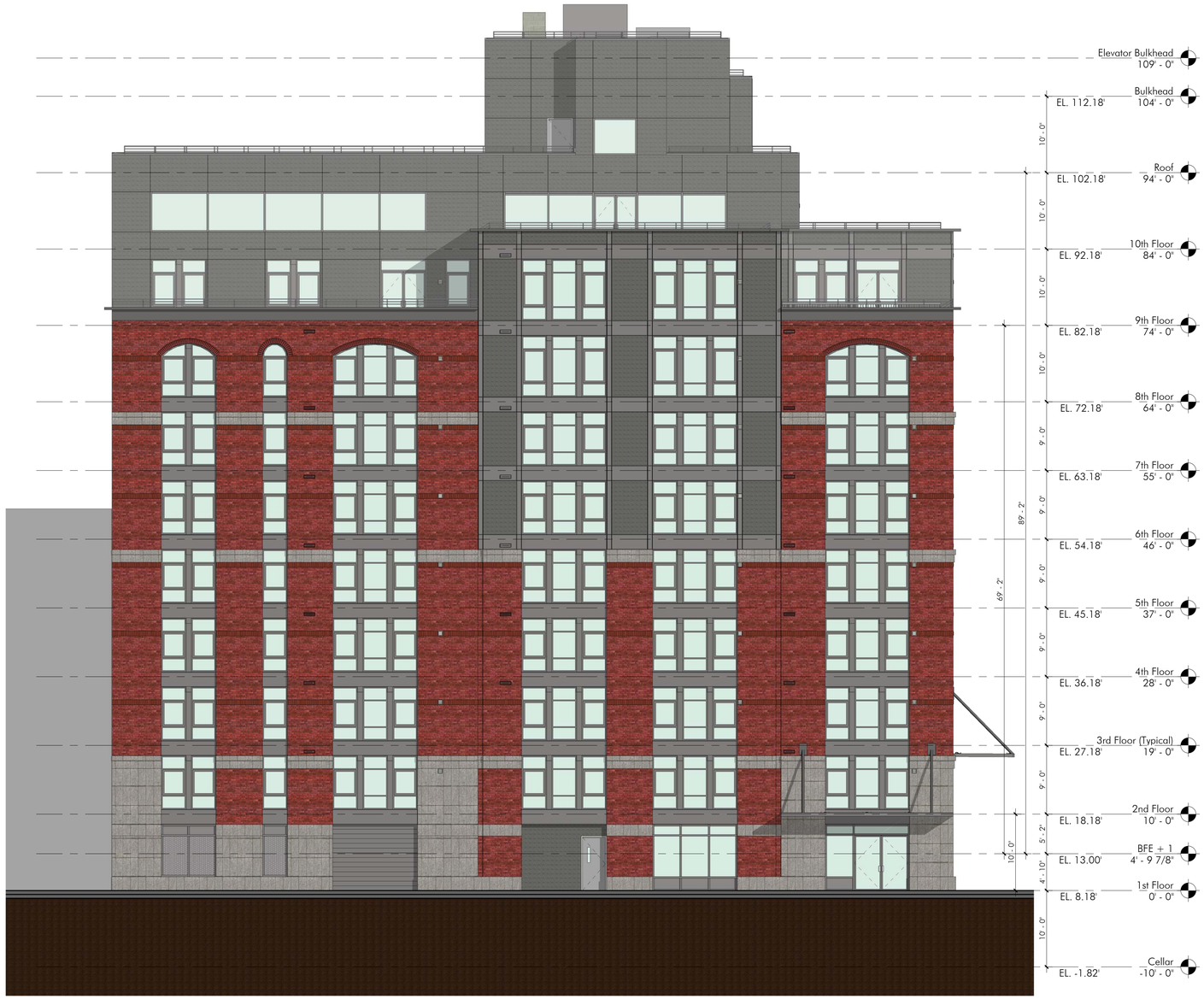
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:15:03 AM



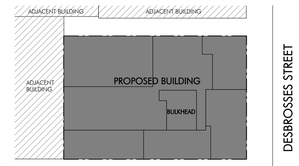
1 WASHINGTON STREET 1/8" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

EAST ELEVATION - WASHINGTON STREET

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:
A-200.00

DATE:
08/26/15

JOB #:
14J15

DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:41:38 AM

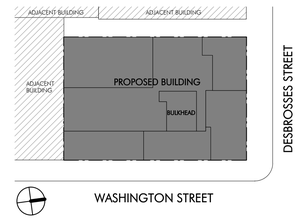
1 DESBROSSES STREET 1/8" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

NORTH ELEVATION - DESBROSSES STREET

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:

A-201.00

DATE:
08/26/15

JOB #:
14J15

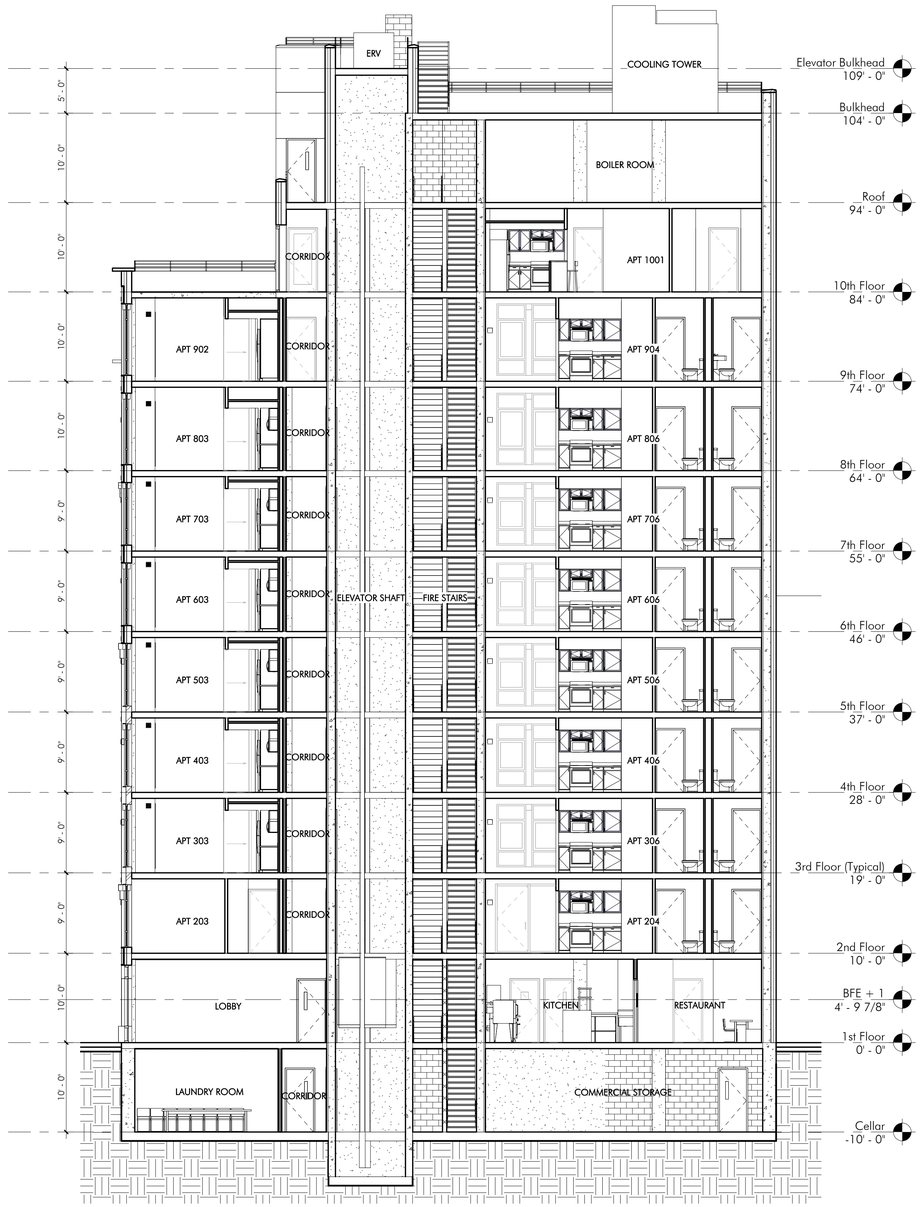
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:46:29 AM



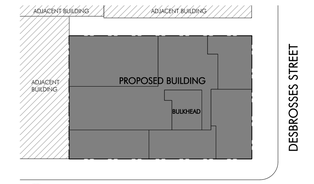
1 Section 1 1/8" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT
RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER
MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

SECTION

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
t 212.675.6470 f 212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-300.00

DATE: 08/26/15

JOB #: 14J15

DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

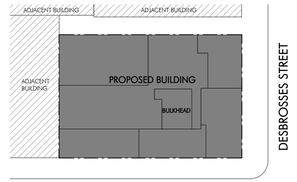
8/27/2015 11:19:33 AM

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

MEP CONSULTANT

RODKIN CARDINALE, P.C.
224 W 29TH STREET, 4TH FLR., NEW YORK, NY 10001
TEL: 212.239.1892 | FAX: 212.239.6412

STRUCTURAL ENGINEER

MURRAY ENGINEERING, P.C.
307 7TH AVENUE, STE. 1001, NEW YORK, NY 10001
TEL: 212.741.1102 | FAX: 212.741.1104

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

PERSPECTIVE VIEW

ARCHITECT:

OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
14 EAST 4TH STREET, SUITE 408
NEW YORK CITY, NEW YORK 10012
t **212.675.6470** f **212.675.6728**

SEAL & SIGNATURE:

DRAWING #:

A-900.00

DATE:
08/26/15

JOB #:
14J15

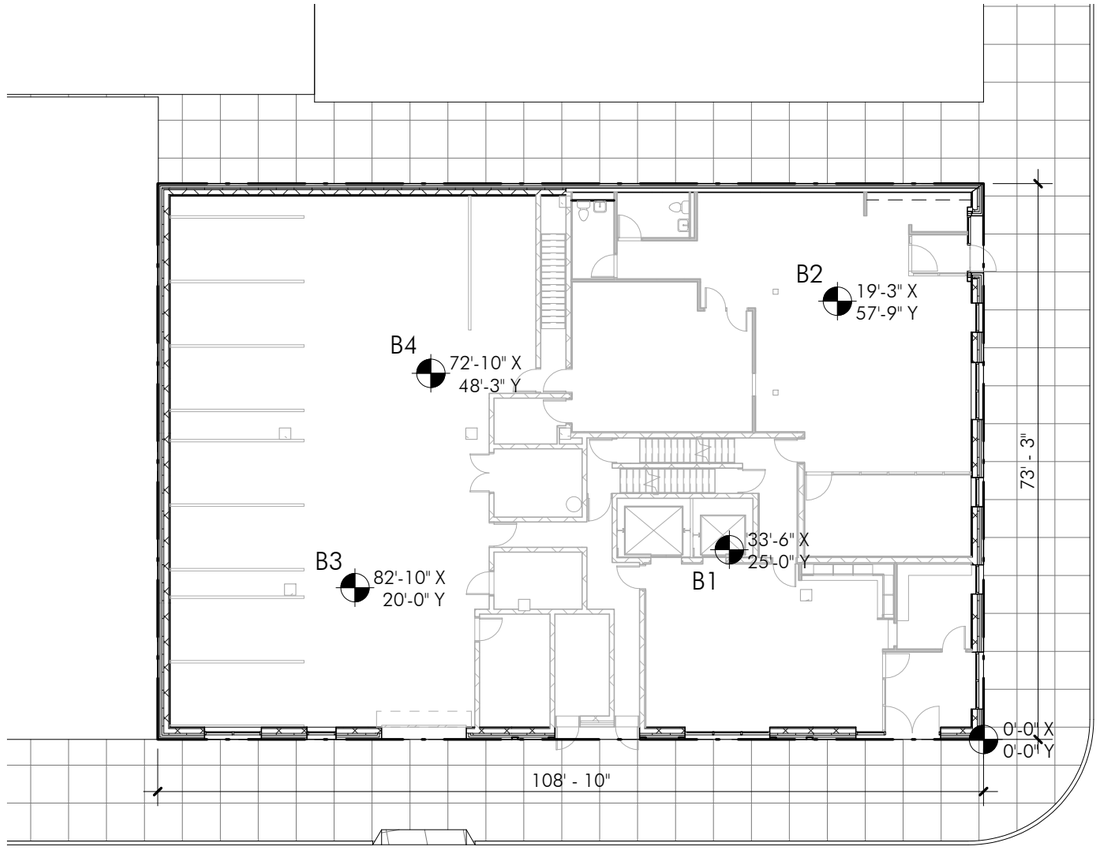
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

8/27/2015 11:49:48 AM



NOTES

MINIMUM OF ONE BORING TO REACH A DEPTH OF 100' BELOW GRADE, OR BEDROCK - WHICHEVER IS HIGHER

ALL OTHER BORINGS TO REACH A MINIMUM DEPTH OF 40' BELOW GRADE

GEOTECHNICAL ENGINEER TO VERIFY

PONTE EQUITIES, INC

440 WASHINGTON STREET NEW YORK, NY 10013

SK-100

BORING LAYOUT

1" = 20'-0"

04/23/15

OCV

OAKLANDER, COOGAN & VITTO, P.C.

ARCHITECTS

Appendix B

Citizen Participation Plan

CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and 270 West Street, LLC have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Voluntary Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC VCP, 270 West Street LLC will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Eric Ilijevich, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 341-2034.

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. 270 West Street, LLC will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

New York Public Library - Jefferson Market Library
425 Avenue of the Americas
New York, NY, 10011
(212) 243-4334
Library Manager: Frank Collerius
Hours (Call to verify):

Monday, Wednesday:	10:00 AM to 8:00 PM
Tuesday, Thursday:	11:00 AM to 6:00 PM
Friday, Saturday:	10:00 AM to 5:00 PM
Sunday:	Closed

Digital Documentation. NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by 270 West Street, LLC, reviewed and approved by OER prior to distribution and mailed by 270 West Street, LLC. Public comment is solicited in public notices for all work plans developed under the NYC Voluntary Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC VCP project. See flow chart on the following page, which identifies when during the NYC VCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.

Appendix C
Remedial Investigation Report

REMEDIAL INVESTIGATION REPORT

for

440 WASHINGTON STREET
NEW YORK, NY 10013
Block 223, Lots 13 and 15

CEQR # 06DCP067M
VCP Site No. 16CVCP003M

Prepared For:

270 West Street, LLC
`268 West Street, 5th Floor
New York, NY 10013

Prepared By:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001

September 18, 2015
170361501

LANGAN

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TABLES

APPENDICES

LIST OF ACRONYMS

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

CERTIFICATION

I, Jason Hayes, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 440 Washington Avenue site, (NYC VCP Site No. #16CVCP003M). 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.

JASON HAYES	9/18/2015	
Qualified Environmental Professional	Date	Signature

EXECUTIVE SUMMARY

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

Site Location and Current Usage

The site is located at 440 Washington Street in the Tribeca neighborhood in Manhattan, New York, and is identified as Block 223, and portions of Lots 13 and 15 on the NYC Tax Map. Figure 1 shows the site location. The site is 8,065 square feet and is bounded by Desbrosses Street followed by a newly constructed multi-story mixed use (residential and commercial) building to the north; a four-story mixed use (residential and commercial) building to the south; Washington Street followed by four multi-story mixed use (residential and commercial) buildings and a three-story industrial and manufacturing building to the east; and a construction site for the 268 West Street development project to the west. The site is currently vacant and used for temporary parking and materials and equipment staging for the adjacent 268 West Street construction project. The site is covered by a concrete slab (former building foundation) with the exception of the northern portion of Lot 13, which contains a former cellar filled in with demolition debris.

Summary of Proposed Development Plan

The proposed development project consists of an 11-story mixed-use commercial and residential building with a partial cellar, ground level parking, and restaurant space. Excavation across the northern portion of the site (approximately 50% of the site) is anticipated to extend to approximately 15 feet below grade surface (bgs) to accommodate the partial basement. The basement will be used as commercial storage space and amenity spaces (including a gymnasium). Excavation of up to five feet bgs will be required to accommodate foundation elements and utilities across the remainder of the site, which will be a slab on-grade foundation. The ground floor will contain a parking lot for eight cars, a lobby, and a restaurant. The remaining floors will be used for residential apartments, with a community room on the 10^{th} floor. The 11^{th} floor will consist of a roof bulkhead. Excavation of about 2,100 cubic yards (cy) of soil, accompanied by dewatering, is anticipated to facilitate construction.

The site's current zoning designation is C6-2A, which is a contextual commercial district with a maximum building height. A C6-2A district permits both commercial and residential use. The proposed development plans are consistent with the current zoning designation of the site.

Summary of Past Uses of Site and Areas of Concern

Past uses of the site are based on review of Sanborn Maps, Building Department records and City Directories and are documented in Langan's May 27, 2015 Remedial Investigation Work Plan (RIWP).

The following is a summary of past uses of the site:

Lot 13

- A mahogany and veneer yard, a residence, store, and office (1894-1905)
- A chemical works (1920)
- A drug company (1927)
- A dowel company (1927)
- A chemical manufacturer and a wood products warehouse (1950-1977)
- A garage and a five-story residential building (1968-2005)

Lot 15

- A mahogany and veneer yard (1894-1905)
- A garage with two gasoline tanks (1950-1968)
- A building of unidentified use (1976-2005)
- A parking company (2013)

The Areas of Concern (AOC) identified for the site include:

1. Historical Site Use: Historical uses of the site include a mahogany and veneer yard (1894-1905), a chemical works (1920), a drug company (1927), a dowel company (1927), a chemical manufacturer and a wood products warehouse (1950-1977), and garages with gasoline tanks (1950-2005). Leaks or spills of petroleum products, solvents, and/or hazardous materials resulting from these uses may have adversely impacted soil, groundwater and/or soil vapor beneath the site.

2. Suspected Underground Storage Tanks (UST): Historical land use (Sanborn) maps from 1950 to 1968 show two gasoline USTs at the eastern site boundary, on Lot 15. Historical releases of gasoline may have impacted soil, soil vapor and/or groundwater at the site.

3. Historical Fill: According to historical geologic maps, the original shoreline of the Hudson River extended further eastward, beyond the site. The shoreline moved westward in

the 1800s, by infilling with imported fill material. Historic fill typically contains contaminants, particularly metals and semivolatile organic compounds (SVOCs), at concentrations that exceed applicable state and/or federal standards and may also contain hazardous concentrations of metals.

4. Lead Hotspot: During the subsurface investigation performed by Langan in April 2015, lead was identified at a concentration of 3,100 milligrams per kilogram (mg/kg) in soil boring SB03 (advanced in the southeastern portion of the site), at a depth of four to five ft bgs.

5. Copper Hotspot: During the subsurface investigation performed by Langan in April 2015, copper was identified at a concentration of 42,000 mg/kg in soil boring SB05 (advanced in the central portion of the site), at a depth of 5 to 6 feet bgs.

Summary of the Work Performed under the Remedial Investigation

Langan performed the following scope of work, which is outlined in the May 27, 2015 RIWP:

1. Site inspection and geophysical survey to identify potential USTs, utilities, and subsurface obstructions that may impede boring advancement;

2. Advancement of 13 soil borings and the collection of 22 soil samples for laboratory analyses, including one duplicate sample;

3. Advancement of eight delineation soil borings at the lead and copper hotspot areas, and the collection of eight delineation soil samples for laboratory analyses;

4. Installation of four permanent groundwater monitoring wells and the collection of five groundwater samples for laboratory analysis, including one duplicate sample;

5. Installation of four soil vapor probes and the collection of five vapor samples for laboratory analysis, including one ambient air sample; and

6. Completion of a well survey to determine groundwater monitoring well elevations and to determine the direction of groundwater flow at the site.

Summary of Environmental Findings

1. Elevation of the property ranges from el. 8.40[1] to el. 9.05 feet.

2. Depth to groundwater ranges from 8.26 feet bgs (el. -0.52) to 9.63 feet bgs (el. -1.4) at the site.

3. Groundwater flow is generally from west to east beneath the site.

4. The stratigraphy of the site, from the surface down, consists of 5 to 13.5 feet of historic fill underlain by native sand, silt, and organic silt. The top of the bedrock surface was observed during a geotechnical investigation at the adjacent property at about 89 feet bgs (about el. -80).

5. The geophysical survey did not identify anomalies consistent with USTs.

6. Soil sample results were compared to the NYSDEC Title 6 New York Codes, Rules and Regulations (NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCO) and Restricted Residential Use (RRU) SCOs. Concentrations of nine volatile organic compounds (VOC) exceeded their UU SCOs in seven soil samples collected, including benzene (max concentration 0.33 milligrams per kilogram [mg/kg]), toluene (max concentration 1.6 mg/kg), ethylbenzene (max concentration 6.9 mg/kg), total xylenes (max concentration 36 mg/kg), naphthalene (max concentration 210 mg/kg), n-propylbenzene (max concentration 9.4 mg/kg), 1,3,5-trimethylbenzene (max concentration 30 mg/kg), acetone (max concentration 0.16 mg/kg), and 1,2,4-trimethylbenzene (max concentration 86 mg/kg). Of the nine VOCs whose concentrations exceeded their respective UU SCOs, the concentration of two VOCs, naphthalene and 1,2,4-trimethylbenzene, also exceeded their Part 375 Restricted Use Restricted-Residential Use (RRU) SCOs. Concentrations of 10 SVOCs including fluoranthene (max concentration 300 mg/kg), benzo(a)anthracene (max concentration 130 mg/kg), benzo(a)pyrene (max concentration 100 mg/kg), benzo(b)fluoranthene (max concentration 120 mg/kg), benzo(k)fluoranthene (max concentration 45 mg/kg), chrysene (max concentration 120 mg/kg), phenanthrene (max concentration 350 mg/kg), dibenzo(a,h)anthracene (max concentration 14 mg/kg), indeno(1,2,3-cd)pyrene (max concentration 59 mg/kg in SB06_05-1.0), and pyrene (max concentration 260 mg/kg), exceeded their respective RRU SCOs in six soil samples collected. Metals including arsenic (max concentration 130 mg/kg), cadmium (max concentration 4.8 mg/kg),

[1] All elevations provided throughout this report are referenced to the North American Vertical Datum of 1988 (NAVD88) unless otherwise noted.

copper (max concentration of 42,000 mg/kg), lead (max concentration of 3,100 mg/kg), mercury (max concentration of 1.7 mg/kg), zinc (max concentration of 4,000 mg/kg) exceeded their respective RRU SCOs. Concentrations of three pesticides exceeded their respective UU SCOs in five soil samples collected, including 4-4'-DDE (max concentration of 0.00689 mg/kg), 4,4'-DDD (max concentration of 0.00372 mg/kg), and 4-4'-DDT (max concentration of 0.00486 mg/kg). Concentrations of polychlorinated biphenyls (PCB) and herbicides did not exceed their respective UU and RRU SCOs in any of the soil samples collected during the RI.

7. Groundwater samples were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards for Class GA groundwater (AWQS). Concentrations of six SVOCs exceeded NYSDEC TOGS AWQS GA standards including chrysene (max concentration of 0.25 micrograms per liter [µg/L]), benzo(a)anthracene (max concentration of 0.26 µg/L), benzo(a)pyrene (max concentration of 0.28 µg/L), benzo(b)fluoranthene (max concentration of 0.3 µg/L), benzo(k)fluoranthene (max concentration of 0.12 µg/L), indeno(1,2,3-cd)pyrene (max concentration of 0.15 µg/L). Dissolved concentrations of four metals exceeded their respective NYSDEC TOGS AWQS GA standards including iron (max concentration of 8,630 µg/L), magnesium (max concentration of 179,000 µg/L), manganese (max concentration of 3,861 µg/L), sodium (max concentration of 641,000 µg/L). VOCs, PCBs, and pesticides were not identified at concentrations exceeding their respective TOGS AWQS in the RI groundwater samples.

8. Soil vapor sample results were compared to the decision matrices established by the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006. Carbon tetrachloride and trichloroethylene were not detected in any of the soil vapor samples collected during the RI. Based on the concentrations of 1,1,1-trichloroethane (max concentration of 1.64 micrograms per cubic meter [µg/m^3]), and tetrachloroethene (PCE, maximum concentration of 25.1 µg/m^3), the decision matrices recommend a range from "no further action" to "take reasonable and practical actions to identify sources and reduce exposures" to these compounds. However, a complete comparison cannot be made to the matrix considering there are no structures on the site and indoor air samples cannot be collected. Concentrations of total benzene, ethylbenzene, toluene, and xylene (BTEX) detected in soil vapor samples ranged from 20.23 to 166.44 µg/m^3. The highest reported concentrations were for isopropanol (489 µg/m^3), ethanol (431 µg/m^3), and acetone (228 µg/m^3). These compounds are common cleaning agents for laboratory equipment, and their reported concentration is likely attributed to laboratory interference.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

270 West Street, LLC has applied to enroll in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate an 8,065 square foot site located in the Tribeca neighborhood of the Borough of Manhattan, New York. The proposed development consists of the construction of an 11-story mixed-use (commercial and residential) building.

The remedial investigation (RI) work was performed between April 28, 2015 and June 3, 2015. This remedial investigation report (RIR) summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The site is located at 440 Washington Street in the Tribeca neighborhood in Manhattan, New York, and is identified as Block 223, and portions of Lots 13 and 15 on the NYC Tax Map. Figure 1 shows the site location. The site is 8,065 square feet and is bounded by Desbrosses Street followed by a newly constructed multi-story mixed-use (residential and commercial) building to the north; a four-story mixed-use (residential and commercial) building to the south; Washington Street followed by four multi-story mixed-use (residential and commercial) buildings and a three-story industrial and manufacturing building to the east; and a construction site for the 268 West Street development project to the west. A map of the site boundary is shown in Figure 2. The site is currently vacant and used for temporary parking and materials and equipment staging for the adjacent 268 West Street construction project. The site is covered by a concrete slab (former building foundation) with the exception of the northern portion of Lot 13, which contains a former cellar filled in with demolition debris.

1.2 Proposed Redevelopment Plan

The proposed development project consists of an 11-story mixed-use commercial and residential building with a partial cellar, ground level parking, and restaurant space. Excavation across the northern portion of the site (approximately 50% of the site) is anticipated to extend to approximately 15 feet below grade surface (bgs) to accommodate the partial basement. The basement will be used as commercial storage space and amenity spaces (including a gymnasium). Excavation of up to five feet bgs will be required to accommodate foundation elements and utilities across the remainder of the site, which will be a slab on-grade foundation. The ground floor will contain a parking lot for eight cars, a lobby, and a restaurant. The remaining floors will be used for residential apartments, with a community room on the

10th floor. The 11th floor will consist of a roof bulkhead. Excavation of about 2,100 cubic yards (cy) of soil, accompanied by dewatering, is anticipated to facilitate construction. The proposed development plans are included as Appendix A.

The site's current zoning designation is C6-2A, which is a contextual commercial district with a maximum building height. A C6-2A district permits both commercial and residential use. The proposed development plans are consistent with the current zoning designation of the site.

1.3 Description of Surrounding Property

The site is located in an area characterized by multi-story, residential, and commercial buildings in a zoning district designated for mixed commercial, residential and manufacturing uses. The site is bounded by Desbrosses Street followed by a newly constructed multi-story mixed use (residential and commercial) building to the north, a four-story, mixed use (residential and commercial) building to the south, Washington Street followed by four multi-story mixed use (residential and commercial) buildings and a 3-story industrial and manufacturing building to the east, and a construction site for the 268 West Street development project to the west. Adjacent and surrounding property uses are summarized in the table below.

DIRECTION	ADJOINING PROPERTIES	SURROUNDING PROPERTIES
North	Desbrosses Street, followed by a multi-story commercial and residential building with Fika Espresso and Wine on the 1st floor	Multi-story mixed us (residential and commercial) buildings and a construction site
East	Washington Street followed by four multi-story mixed use (residential and commercial) buildings and one three-story industrial and manufacturing building	Multi-story residential buildings, a parking lot and auto-repair
South	A four-story mixed use (residential and commercial) building	Vestry Street, Multi-story mixed use (residential and commercial) buildings
West	268 West Street development construction project	West Street, Hudson River Greenway and Hudson River Park

There are no schools, day care facilities or hospitals within 500 feet of the site. A surrounding land use map is presented as Figure 3.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

Past uses of the site are based on review of Sanborn Maps, Building Department records and City Directories and are documented in Langan's May 27, 2015 Remedial Investigation Work Plan (RIWP).

The following is a summary of past uses of the site:

Lot 13

- A mahogany and veneer yard, a residence, store, and office (1894-1905)
- A chemical works (1920)
- A drug company (1927)
- A dowel company (1927)
- A chemical manufacturer and a wood products warehouse (1950-1977)
- A garage and a five-story residential building (1968-2005)

Lot 15

- A mahogany and veneer yard (1894-1905)
- A garage with two gasoline tanks (1950-1968)
- A building of unidentified use (1976-2005)
- A parking company (2013)

2.2 Previous Investigations

A due diligence review and subsurface investigation were conducted on April 28, 2015. The subsurface investigation consisted of a geophysical survey, installation of nine soil borings and collection of 12 soil samples. Laboratory analysis of soil samples identified semivolatile organic compounds (SVOC) and metals at concentrations exceeding their respective Title 6 of the New York Codes, Rules and Regulations (6 NYCRR) Part 375 Restricted Residential Use (RRU) criteria. The geophysical survey did not confirm the presence of underground storage tanks (UST) at the site. Details and findings from this investigation are incorporated into this RIR. The May 7, 2015 geophysical investigation report is provided as Appendix B.

2.3 Site Inspection

A site inspection was performed by Langan on April 28, 2015. At the time of the inspection, both lots were vacant and being used for temporary parking and materials and equipment staging for the adjacent 268 West Street construction project. The site is covered by a concrete slab (former building foundation) with the exception of the northern portion of Lot 13, which contains a former cellar filled in with demolition debris. A wooden construction fence surrounds the site, which was accessible through a locked gate along Washington Street. Evidence of a material release was not observed during the site inspection.

Adjoining and surrounding properties include multi-story residential and commercial buildings, a parking garage, and two active construction sites located on the western and northeastern adjoining properties. A fill port was observed along the sidewalk, in front of the western adjoining property.

2.4 Areas of Concern (AOC)

The Areas of Concern (AOC) identified for the site include:

1. Historical Site Use: Historical uses of the site include a mahogany and veneer yard (1894-1905), a chemical works (1920), a drug company (1927), a dowel company (1927), a chemical manufacturer and a wood products warehouse (1950-1977), and garages with gasoline tanks (1950-2005). Leaks or spills of petroleum products, solvents, and/or hazardous materials resulting from these uses may have adversely impacted soil, groundwater and/or soil vapor beneath the site.

2. Suspected Underground Storage Tanks (UST): Historical land use (Sanborn) maps from 1950 to 1968 show two gasoline USTs at the eastern site boundary, on Lot 15. Historical releases of gasoline may have impacted soil, soil vapor and/or groundwater at the site.

3. Historical Fill: According to historical geologic maps, the original shoreline of the Hudson River extended further eastward, beyond the site. The shoreline moved westward in the 1800s, by infilling with imported fill material. Historic fill typically contains contaminants, particularly metals and semi-volatile organic compounds (SVOCs), at concentrations that exceed applicable state and/or federal standards and may also contain hazardous concentrations of metals.

4. Lead Hotspot: During the subsurface investigation performed by Langan in April 2015, lead was identified at a concentration of 3,100 milligrams per kilogram (mg/kg) in soil boring SB03 (advanced in the southeastern portion of the site), at a depth of four to five ft bgs.

5. Copper Hotspot: During the subsurface investigation performed by Langan in April 2015, copper was identified at a concentration of 42,000 mg/kg in soil boring SB05 (advanced in the central portion of the site), at a depth of 5 to 6 feet bgs.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Jason Hayes, P.E.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including site and Occupational Health and Safety Administration (OSHA) worker safety requirements and Hazardous Waste Operation and Emergency Response (HAZWOPER) requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations. Except in the instances when gross contamination was observed, clean soil cuttings were backfilled into soil boreholes. Excess purge water generated during the RI was containerized in two steel, Department of Transportation (DOT)-approved, 55-gallon drums. The drums were transported off-site by Aarco Environmental Services Corp. (Aarco) of Lindenhurst, New York, and disposed of at Advanced Waste & Water Technology, Inc. of Farmingdale, New York on June 10, 2015.

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4.0 REMEDIAL INVESTIGATION ACTIVITIES

Langan performed the following scope of work, which is outlined in a Remedial Investigation Work Plan (RIWP), prepared by Langan and dated May 27, 2015:

1. Site inspection and geophysical survey to identify potential USTs, utilities, and subsurface obstructions that may impede boring advancement;

2. Advancement of 13 soil borings and collection of 22 additional soil samples for laboratory analyses, including one duplicate sample.

3. Advancement of eight delineation soil borings in the lead and copper hotspots, and the collection of 8 delineation soil samples for laboratory analyses.

4. Installation of four permanent groundwater monitoring wells and the collection of five groundwater samples for laboratory analysis, including one duplicate sample;

5. Installation of four soil vapor probes and the collection of five vapor samples for laboratory analysis, including one ambient air sample; and

6. A well survey to determine groundwater monitoring well elevations and to determine the direction of groundwater flow at the site.

The RIWP is provided as Appendix C.

4.1 Geophysical Investigation

A geophysical survey was completed by NOVA Geophysical & Environmental, Inc. (NOVA) on April 28, 2015. NOVA completed the geophysical survey using ground penetrating radar (GPR), electromagnetic detectors, and comprehensive subsurface utility locators to locate and identify current and former utility lines, anomalies, USTs, and other subsurface structures, and to clear proposed boring locations. The survey did not identify anomalies consistent with USTs. Borings were relocated as necessary to avoid subsurface utilities and minor anomalies. The geophysical survey is included as Appendix B.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Warren George, Inc. (WGI) of Jersey City, New Jersey completed nine preliminary RI borings on April 28 and 29, 2015 using an Acker truck-mounted drilling rig with split spoon attachment and a hand auger. Borings were advanced by WGI to depths ranging from 1.5 to 16 feet bgs. AARCO Environmental Services (ARRCO) completed the remaining RI borings on June 1 and 2,

2015 using a 730 DT Geoprobe® direct-push drill rig, to depths ranging from 5 to 15 feet bgs. engineer was on-site to observe all drilling activities. Soil boring locations are shown on Figures 4 and 5.

Soil samples were collected continuously to the completion depth of each boring. Two-foot spilt spoons were used for sample collection when drilling with the Acker truck-mounted drilling rig, and four-foot macrocore® sample barrels with dedicated acetate liners were used for sample collection when drilling with the 7730 DT Geoprobe® drill rig. Soil samples were inspected for visual and olfactory evidence of contamination and screened for organic vapors with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Soil boring logs are provided as Appendix D.

Groundwater Monitoring Well Construction

Four soil borings (SB10/MW1, SB11/MW2, SB/12/MW3, and SB13/MW4) were completed as permanent groundwater monitoring wells. Based on observed soil saturation depths, well screens were installed to straddle the groundwater table, which was encountered at depths of about 8 to 13 ft bgs. All four of the permanent monitoring wells were constructed with 1.5-inch inner diameter by 2.5-inch outer diameter pre-packed well screens with attached solid riser pipe. Clean sand was used to fill the remaining void between the pre-packed well screen and the borehole, to approximately 2 feet above the top of the screened interval. A minimum three feet of hydrated bentonite clay was placed above the screen to seal the wells. Permanent wells were developed by purging a minimum of three well volumes using a down-hole pump. Monitoring well locations are shown on Figure 6 and monitoring well construction details are summarized in Table 1 and Appendix E.

Soil Vapor Sample Point Construction

Four soil vapor points (SV01 through SV01) were installed during the RI. At each sample location, a soil vapor implant attached to dedicated polyethylene tubing was inserted into each boring. The annulus around the probe and tubing was filled with clean sand to a minimum depth of approximately one foot above the probe. Bentonite was then used to seal the top of the boring. Soil vapor sampling locations are shown in Figure 7 and soil vapor sampling logs are provided as Appendix F.

Permanent Groundwater Monitoring Well Survey and Water Level Measurement

Groundwater monitoring well locations and elevations were surveyed by a NYS licensed surveyor on June 15, 2015. Together with the synoptic groundwater level measurements collected on June 3, 2015, well locations and elevations were used to determine the groundwater flow direction at the site. A groundwater elevation summary is provided in Table 2 and a contour map showing groundwater flow direction is provided as Figure 8.

4.3 Sample Collection and Chemical Analysis

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

Soil Sampling

A total of 30 soil samples, including one duplicate sample, were collected for laboratory analysis during the RI. Generally one sample was collected from each boring at the interval exhibiting the greatest visual, olfactory or instrumental (PID) indication of impacts; however, additional samples were collected from borings (SB30 and SB08) where impacts were observed at multiple intervals.

Up to two soil samples were collected from each soil boring for laboratory analysis during the second phase of the RI. For borings located within the cellar footprint of the proposed building (SB-12, SB-13), samples were collected from 1) the upper two feet of soil beneath the existing concrete cover, and 2) the interval just below the proposed development depth, which is about 10 to 12 feet bgs. For borings located within the proposed on-grade construction (SB-10, SB-11), samples were collected from 1) the upper two feet of soil, and 2) from the interval directly above the groundwater table.

During the preliminary subsurface investigation, a lead hotspot was encountered at the location of soil boring SB03, at a depth of four to five feet bgs, and a copper hotspot was encountered at the location of soil boring SB05 at a depth of five to six feet bgs. To delineate each hotspot area, a total of four soil samples were collected from each area. Hotspot areas were delineated vertically by collecting one sample at the original boring location, from a depth of about two to three feet below the original sample interval. Hotspot areas were delineated horizontally by advancing a delineation boring about five feet to the north, southeast, and southwest of the original boring locations and collecting a sample at the corresponding depth interval. Due to detectable odors and PID readings above background, an additional sample was collected from SB03N, and analyzed for the full suite of parameters.

All soil samples were collected into pre-cleaned, laboratory-supplied sampling containers, labeled, and placed into laboratory-supplied coolers with ice to preserve the samples. In

addition, a field blank and two trip blanks were collected and placed into laboratory-supplied coolers with ice to preserve the samples. Coolers were retrieved at the end of each day by a laboratory courier and transported under standard chain-of-custody protocol to Alpha Analytical, Inc. (Alpha), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory.

Soil samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOC) via US Environmental Protection Agency (USEPA) Method 8260C, TCL SVOCs via EPA Method 8270D, Target Analyte List (TAL) metals via EPA 6000/7000 Series methods, polychlorinated biphenyls (PCB) via EPA Method 8082A, pesticides via EPA Method 8081B. In addition, chlorinated herbicides were analyzed for select samples via EPA Method 8151A.

Soil samples collected from delineation borings were analyzed for the corresponding total metal (i.e., lead for the SB03 hotspot and copper for SB05 hotspot). Additionally, delineation samples associated with SBO3 were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) lead. Due to detectable odors and PID readings above background in SB03N from 3 to 4 feet bgs, an additional sample was collected and analyzed for VOCs, SVOCs, PCBs, Metals and Pesticides.

A sample collection summary, including chemical analyses, dates of collection and sample depths, is reported in Table 3. Figures 4 and 5 show the locations of soil samples collected during the RI.

Groundwater Sampling

One groundwater sample was collected from each of the four monitoring wells and one duplicate sample was collected for quality assurance/quality control (QA/QC) purposes. Samples were collected from permanent wells at least 24 hours after installation. Prior to sampling, the static groundwater level was measured to the nearest 0.01 foot with a decontaminated water level meter, and a minimum of three well volumes were purged from each well using a down-hole pump. Dedicated, disposable polyethylene tubing was used for sample collection. Purging rates varied from 0.05 to 0.09 gallons per minute, and were based on the well volume and observed recharge rate. The purging rate was adjusted to minimize drawdown and sample turbidity. A Horiba U-52 water quality monitor was used to measure monitoring well effluent during purging and sampling. The purge water was monitored for hydrogen ion concentration (pH), oxidation/reduction potential (ORP), conductivity, temperature, dissolved oxygen (DO), and turbidity. Groundwater samples were collected when the groundwater quality parameters had stabilized to approximately 10 percent of their respective values, and when the turbidity was below 5 nephelometric turbidity units (NTUs).

Groundwater samples were collected directly from the discharge line into pre-cleaned, laboratory-provided containers. The sample containers were labeled, placed into laboratory-

supplied coolers, along with trip blank samples (five in total), packed with ice to preserve the samples, and transported by a laboratory courier to Alpha under standard chain-of-custody protocol. The samples were analyzed for TCL VOCs via EPA Method 8260C, SVOCs via EPA Method 8270D, TAL metals via EPA 6000/7000 Series methods for both total and dissolved metals, PCBs via EPA Method 8082A, and pesticides via EPA Method 8081B. Field filtering was performed for each sample to prepare the samples for dissolved TAL metals analysis, with the exception of MW01, which was lab filtered due to the volume of water collected as a result of its poor recharge rate. Monitoring well locations are shown on Figure 6 and groundwater sampling logs are included in Appendix G.

Soil Vapor Sampling

Soil vapor sampling was conducted in accordance with the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion, October 2006. Following soil vapor sample point construction, each soil vapor point was purged at a rate of 0.2 liters per minute (L/min) to evacuate a minimum of three tubing volumes. After purging, soil vapor samples were collected into laboratory-supplied, batch-certified, six-liter Summa canisters that were calibrated for a sampling rate of two hours per sample. An inert tracer gas (helium) was introduced into an above-grade sampling chamber to ensure that the soil vapor sampling points were properly sealed above the targeted sampling depth, thereby preventing infiltration of ambient air. The canisters were properly labeled and transported to Alpha following standard chain-of-custody protocols. One ambient air sample was collected for QA/QC purposes. Samples were analyzed for VOCs via EPA Method TO-15. Soil vapor sample locations are shown in Figure 7 and soil vapor sampling logs are included in Appendix F.

Chemical Analysis

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

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Michael Burke
Chemical Analytical Laboratory	The chemical analytical laboratory used during the RI was NYSDOH ELAP- certified Alpha Analytical, Inc.
Chemical Analytical Methods	Soil analytical methods: • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • TAL Metals by EPA Method 6010C (rev. 2007) and 7471B

	• Pesticides by EPA Method 8081B (rev. 2007) • Chlorinated herbicides by EPA Method 8151A (rev. 2007) • PCBs by EPA Method 8082A (rev. 2007) • TCLP Lead by EPA Method 1311 Groundwater analytical methods: • VOCs by EPA Method 8260C (rev. 2006) • SVOCs by EPA Method 8270D (rev. 2007) • TAL Metals by EPA Method 6020C (ICP-MS) and 7470A • Pesticides by EPA Method 8081B (rev. 2007) • PCBs by EPA Method 8082A (rev. 2007) Soil vapor analytical methods: • VOCs by TO-15 VOC parameters

Results of Chemical Analyses

Laboratory data for soil is summarized in Tables 4 and 5 and Laboratory data for groundwater and soil vapor is summarized in Tables 6 and 7, respectively. Laboratory analytical reports are provided in Appendix H.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

According to United States Geologic Survey (USGS) maps and historic topographic maps, New York City geology is generally characterized by layers of fill and native soil overburden underlain by metamorphic bedrock. The native overburden was deposited during the last continental glaciation. The overburden generally consists of glacial till and outwash predominantly in inland areas, and riverine deposits (peat, organic silt and clay) along the shorelines that have been filled in over time. The site is underlain by the Manhattan Schist, described as a gray, sillimanite-muscovite-tourmaline schist.

Beneath the ground surface, groundwater is contained within the unconsolidated geologic materials and fractured bedrock. The upper surface of the groundwater reservoir is marked by the water table surface, which fluctuates seasonally in response to precipitation events and tides (along shorelines). The overburden deposits typical to the project area can have low to moderate hydraulic conductivities. The bedrock is relatively impermeable except where fractures, faults, or joints are present. Preferential flow occurs through the more permeable zones of the overburden, such as within individual sand or gravel layers, and through bedrock

fractures and joints. Flow of groundwater in an urban setting can be altered and interrupted by the presence of pumping stations, building foundations, utilities, retaining walls, or other buried structures.

Stratigraphy

The stratigraphy underlying the site is composed of a surficial layer of fill overlaying natural sand, silt and clay deposits. Thicknesses of fill observed during the RI ranged from 5 to 13.5 feet. The fill layer is primarily composed of loose reddish to dark brown medium to coarse sand with varying amounts of gravel and silt. Construction and demolition debris, plant remains, wood, metal, slag, ash and coal were also observed within the fill layer.

The underlying natural deposits were primarily composed of loose brown fine to medium sand with varying amounts of gravel and silt. Organic silt was observed in borings SB10 and SB13 at a depth of 13.5 feet bgs to the termination of each boring. Bedrock was not encountered during the RI; however, the top of the bedrock surface was observed during a geotechnical investigation performed at the adjacent 268 West Street site at about 89 ft bgs (about el. -80). Soil boring logs are provided as Appendix D.

Hydrogeology

Top of the groundwater table measurements ranged from 8.26 ft bgs (el. -0.52) to 9.63 ft bgs (el. -1.4). A groundwater elevation contour map, derived from groundwater elevations recorded from site monitoring wells, is provided as Figure 8. Groundwater appears to flow generally to the west across the site.

5.2 Soil Chemistry

A total of 30 soil samples were collected and analyzed for VOCs, SVOCs, metals, pesticides, PCBs, and chlorinated herbicides (for select samples). Soil analytical results were compared to the 6 NYCRR Part 375 Unrestricted Use (UU) SCOs and Restricted Residential Use (RRU) SCOs. TCLP samples taken to delineate the elevated lead identified in the preliminary subsurface investigation were compared to 40 Code of Federal Regulations (CFR) 261 Subpart C and Table 1 of 40 CFR 261.24 - EPA Resource Conservation and recovery Act (RCRA) Maximum Concentration of Contaminants for the Toxicity Characteristic. One of the 30 soil samples was a duplicate of sample SB12_1-2, and was analyzed for QA/QC purposes. Data collected during the RI was sufficient to delineate the vertical and horizontal distribution of contaminants at the site.

VOCs – The concentrations of nine VOCs exceeded their Part 375 UU SCOs in seven soil samples collected, consisting of:

- benzene (max concentration 0.33 mg/kg in SB03N_3-4)

- toluene (max concentration 1.6 mg/kg in SB03N_3-4)
- ethylbenzene (max concentration 6.9 mg/kg in SB03N_3-4)
- total xylenes (max concentration 36 mg/kg in SB03N_3-4)
- naphthalene (max concentration 210 mg/kg in SB07_1-2)
- n-propylbenzene (max concentration 9.4 mg/kg in SB03N_3-4)
- 1,3,5-trimethylbenzene (max concentration 30 mg/kg in SB03N_3-4), acetone (max concentration 0.16 mg/kg in SB10_7-8)
- 1,2,4-trimethylbenzene (max concentration 86 mg/kg in SB03N_3-4)

Acetone is a common laboratory contaminant, which was identified in the batch blank of several samples, and its presence in soil is not representative of site conditions. Of the nine VOCs whose concentrations exceeded their respective UU SCOs, the concentration of two VOCs, naphthalene and 1,2,4-trimethylbenzene, also exceeded their Part 375 RRU SCOs, in samples SB07_1.0-2.0 and SB03N_3-4, respectively. Exceedances per sample location are summarized in the table below ("x" indicates a UU SCO exceedance, with bold applied for RRU exceedances):

Location	SB03N	SB06	SB07	SB08	SB10	SB13	SB13
Depth	3-4	0.5-1	1-2	5-5.5	7-8	1-2	14-15
1,2,4-Trimethylbenzene	**x**						
1,3,5-Trimethylbenzene	x						
Acetone				x	x	x	x
Benzene	x						
Ethylbenzene	x						
n-Propylbenzene	x						
Naphthalene		x	**x**				
Toluene	x						
Xylenes, Total	x						

With the exception of acetone, elevated concentrations of VOCs are potentially attributed to a release from historic USTs located at the site or from historic on-site operations.

SVOCs – Concentrations of 14 Semivolatile organic compounds (SVOC) exceeded their respective UU SCOs in six soil samples collected, consisting of:

- acenaphthene (max concentration 43 mg/kg in SB06_05-1.0)
- fluoranthene (max concentration 300 mg/kg in SB06_05-1.0)
- naphthalene (max concentration 67 mg/kg in SB06_05-1.0)

- benzo(a)anthracene (max concentration 130 mg/kg in SB06_05-1.0)
- benzo(a)pyrene (max concentration 100 mg/kg in SB06_05-1.0)
- benzo(b)fluoranthene (max concentration 120 mg/kg in SB06_05-1.0)
- benzo(k)fluoranthene (max concentration 45 mg/kg in SB06_05-1.0), chrysene (max concentration 120 mg/kg in SB06_05-1.0)
- fluorene (max concentration of 50 mg/kg in SB06_0.5-1.0)
- phenanthrene (max concentration 350 mg/kg in SB06_05-1.0)
- dibenzo(a,h)anthracene (max concentration 14 mg/kg in SB06_05-1.0)
- indeno(1,2,3-cd)pyrene (max concentration 59 mg/kg in SB06_05-1.0)
- pyrene (max concentration 260 mg/kg in SB06_05-1.0)
- dibenzofuran (max concentration 35 mg/kg in SB06_05-1.0)

Of the 14 SVOCs whose concentrations exceeded their respective UU SCOs, concentrations of 10 SVOCs, consisting of fluoranthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, phenanthrene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene, and pyrene also exceeded their respective RRU SCOs. Exceedances per sample location are summarized in the table below ("x" indicates a UU SCO exceedance, with bold applied for RRU SCO exceedances):

Location	SB03	SB04	SB06	SB07	SB10	SB13
Depth	4-5	2-3	0.5-1	1-2	1-2	1-2
Acenaphthene			x	x		
Fluoranthene			**x**	**x**		
Naphthalene			x	x		
Benzo(a)anthracene	**x**	**x**	**x**	**x**	**x**	**x**
Benzo(a)pyrene	**x**	**x**	**x**	**x**	**x**	**x**
Benzo(b)fluoranthene	**x**	**x**	**x**	**x**	**x**	**x**
Benzo(k)fluoranthene	**x**	**x**	**x**	**x**	x	x
Chrysene	**x**	**x**	**x**	**x**	**x**	x
Fluorene			x			
Phenanthrene			**x**	**x**		
Dibenzo(a,h)anthracene	**x**	**x**	**x**	**x**	**x**	
Indeno(1,2,3-cd)pyrene	**x**	**x**	**x**	**x**	**x**	**x**
Pyrene			**x**	**x**		
Dibenzofuran			x	x		

In general, elevated concentrations of SVOCs are attributed to historic fill material that was identified from surface grade to approximately 13.5 ft bgs; however, the anomalously high concentrations of SVOCs in SB06 and SB07, as well as the presence of napthalene, may be indicative or a release from historic USTs located at the site or from historic on-site operations.

Metals – Concentrations of eight metals exceeded their respective UU SCOs in 15 soil samples collected, consisting of:

- arsenic (max concentration 130 mg/kg in SB05_5.0-6.0)
- cadmium (max concentration 4.8 mg/kg in SB05_5.0-6.0)
- copper (max concentration of 42,000 in SB05_5.0-6.0)
- lead (max concentration of 3,100 mg/kg in SB03_4.0-5.0)
- mercury (max concentration of 1.7 mg/kg in SB05_5.0-6.0)
- nickel (max concentration of 46 mg/kg in SB05_5.0-6.0)
- silver (max concentration of 41 mg/kg in SB05_5.0-6.0)
- zinc (max concentration of 4,000 in SB05_5.0-6.0)

Of the eight metals, concentrations of six metals, consisting of arsenic, cadmium, copper, lead, mercury, and zinc exceeded their respective RRU SCOs. Exceedances per sample location are summarized in the table below ("x" indicates a UU SCO exceedance, with bold applied for RRU SCO exceedances):

Location	SB01	SB02	SB03	SB03C	SB03E	SB03N	SB03N	SB03W	SB04	SB05C
Depth	1-2	0.5-1	4-5	6-7	4-5	3-4	4-5	4-5	2-3	7-8
Arsenic	x								x	
Cadmium										
Copper	x		x						x	x
Lead	x	x	**x**	x	x	x	x	x	x	
Mercury	**x**					**x**			**x**	
Nickel										
Silver										
Zinc		x	x						x	
Arsenic		**x**								
Cadmium		**x**								
Copper	x	**x**								x
Lead		**x**	x	**x**	x		x	x	x	x
Mercury		**x**	x	x	x	x	x	x	x	x
Nickel		x								
Silver		x								

Location	SB01	SB02	SB03	SB03C	SB03E	SB03N	SB03N	SB03W	SB04	SB05C
Depth	1-2	0.5-1	4-5	6-7	4-5	3-4	4-5	4-5	2-3	7-8
Zinc		x	x	x		x	x		x	

Elevated concentrations of metals are attributed to historic fill material that was identified from surface grade to approximately 13.5 ft bgs. Delineation samples surrounding SB03 and SB05 did not identify lead or copper, respectively, at concentrations exceeding the RRU SCOs, which is the applicable cleanup level for the intended use of the site. In addition, hazardous concentrations of lead were not identified in SB05 or the corresponding delineation borings.

Pesticides – Concentrations of three pesticides exceeded their respective UU SCOs in five soil samples collected, consisting of:

- 4-4'-DDE (max concentration of 0.00689 mg/kg in SB12_1-2)
- 4,4'-DDD (max concentration of 0.00372 mg/kg in SB13_1-2)
- 4-4'-DDT (max concentration of 0.00486 in SB11_8-9)

Concentrations of these compounds did not exceed their respective RRU SCOs in any of the samples collected during the RI. The presence of pesticides in soil samples is likely attributed to the composition of the fill material at the site.

PCBs and Herbicides –PCBs and herbicides were not identified at concentrations exceeding their respective UU or RRU SCOs in any of the soil samples collected during the RI.

A summary of data for chemical analyses performed on soil samples is included in Tables 4 and 5. Figures 4 and 5 provide a map of soil sample locations and include a summary of analytical results that exceeded the Part 375 UU and RRU SCOs. Soil laboratory analytical reports are provided in Appendix H.

5.3 Groundwater Chemistry

Five groundwater samples, including once duplicate sample, were analyzed for VOCs, SVOCs, metals (total and dissolved), pesticides and PCBs. Groundwater analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Standard (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA groundwater. Groundwater sample results are summarized below.

VOCs, PCBs and Pesticides – VOCs, PCBs, and pesticides were not identified at concentrations exceeding their respective TOGS AWQS in any of the groundwater samples collected during the RI.

SVOCs – Concentrations of six SVOCs exceeded TOGS AWQS in MW04, consisting of:

- chrysene (max concentration of 0.25 micrograms per liter [µg/L])

- benzo(a)anthracene (max concentration of 0.26 μg/L)
- benzo(a)pyrene (max concentration of 0.28 μg/L)
- benzo(b)fluoranthene (max concentration of 0.3 μg/L)
- benzo(k)fluoranthene (max concentration of 0.12 μg/L)
- indeno(1,2,3-cd)pyrene (max concentration of 0.15 μg/L)

The presence of SVOCs in groundwater in MW04 is attributed to the presence of historic fill, which extends into the groundwater table in this location.

Metals – Total concentrations of six metals exceeded their respective TOGS AWQS, consisting of:

- chromium (max concentration of 73.8 μg/L in MW03_060315)
- iron (max concentration of 25,500 μg/L in MW03_060315)
- lead (max concentration of 451.5 μg/L in MW03_060315)
- magnesium (max concentration of 181,000 μg/L in MW02_060315)
- manganese (max concentration of 3,318 μg/L in MW03_060315)
- sodium (max concentration of 670,000 μg/L in MW01_060315)

Dissolved concentrations of four metals exceeded their respective TOGS AWQS standards, consisting of:

- iron (max concentration of 8,630 μg/L in sample MW03_060315)
- magnesium (max concentration of 179,000 μg/L in sample MW02_060315)
- manganese (max concentration of 3,861 μg/L in sample MW03_060315)
- sodium (max concentration of 641,000 μg/L in sample MW01_060315)

None of the compounds detected in the dissolved samples were detected at elevated concentrations in on-site soils and their presence is considered indicative of regional groundwater quality or potential off-site sources.

A summary of data for chemical analyses performed on groundwater samples is included in Table 6. Figure 6 provides a map of groundwater sample locations and includes a summary of analytical results that exceed the TOGS AWQS. Laboratory analytical data reports are provided as Appendix H.

5.4 Soil Vapor Chemistry

Five soil vapor samples were collected during the RI, including one ambient air sample. Sample results were compared to the ambient air sample and the decision matrices established by the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006. Based on the concentrations

of 1,1,1-trichloroethane (max concentration of 1.64 micrograms per cubic meter [µg/m^3] in SV02-060315), and tetrachloroethene (PCE, maximum concentration of 25.1µg/m^3 in SV03-060315), the decision matrices recommends a range from "no further action" to "take reasonable and practical actions to identify sources and reduce exposures" to these compounds. However, a complete comparison cannot be made to the matrix considering there are no structures on the site and indoor air samples cannot be collected. Carbon tetrachloride and trichloroethylene were not detected in any of the soil vapor samples collected during the RI.

Compounds detected above ambient air concentrations consisted of:

- 1,2,4-trimethylbenzene
- acetone
- ethanol
- cyclohexane
- ethyl benzene
- 4-methyl-2-pentanone
- n-hexane
- toluene
- tetrahydrofuran
- 2,2,4-trimethylpentane
- 1,3,5-trimethylbenzene
- benzene
- chloroform
- p/m Xylene
- isopropanol
- methylene chloride
- o-xylene
- tetrachloroethene
- 1,1,1-trichloroethane
- 2-hexanone
- 4-ethyltoluene
- carbon disulfide
- chloromethane
- tertiary butyl alcohol
- 2-butanone
- n-heptane
- styrene
- trichlorofluromethane
- bromodichloromethane
- 1,3-dichlorobenzene

The highest reported concentrations were for isopropanol (489 µg/m^3 in SV01-060315), ethanol (431 µg/m^3 in SV01-060315), and acetone (228 µg/m^3 in sample SV02-060315). These compounds are common cleaning agents for laboratory equipment, and their reported concentration is likely attributed to laboratory interference. Excluding isopropanol, ethanol and acetone, the highest reported concentrations were of tertiary butyl alcohol (79.7 µg/m^3 in SV02-060315 and 63.1 µg/m^3 in SV04-060315), toluene (72.0 µg/m^3 in SV02-060315), and 1,2,4-trimethylbenzene (59.0 µg/m^3 in SV04-060315).

Total VOCs detected in soil vapor samples range from about 579 µg/m^3 in SV03-060315 to 1,315 µg/m^3 in SV01-060315, compared to the ambient air sample which had a total VOC concentration of about 101 µg/m^3. Thirty VOCs were detected in soil vapor samples at concentrations greater than those detected in the ambient air.

A summary of data for chemical analyses performed on soil vapor samples is included in Table 7. Figure 7 provides a map of soil vapor sample locations and includes a summary of analytical results that exceed the ambient sample. Laboratory analytical data reports are provided as Appendix H.

5.5 Hazardous Waste Potential

Based on an evaluation of the data and information from the RIR, the presence of or need for disposal of hazardous waste may not be required at this site. However, future sampling for waste characterization may change the requirement.

5.6 Deviations from remedial investigation work plan

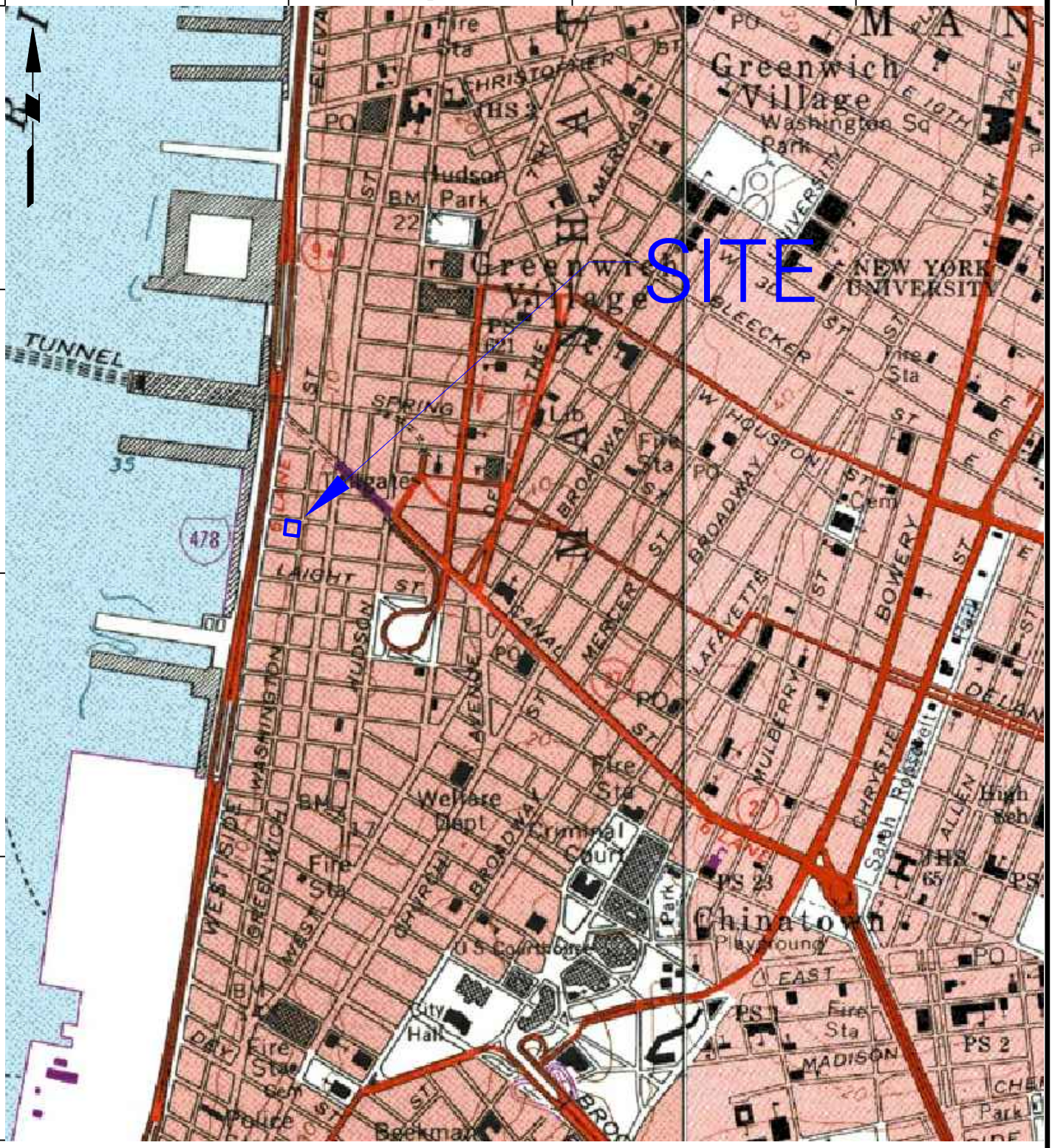
TCLP analyses for copper was not completed for delineation borings surrounding the copper hotspot, as proposed in the RIWP, due to lack of a corresponding regulatory standard. The deviation was discussed with, and approved by, NYCOER prior to sampling.

Poor well recovery in MW01 prohibited field filtering of the groundwater sample collected from this well. Therefore, the dissolved metals sample result was obtained from a lab filtered groundwater sample.

5.7 Impediments to Remedial Action

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

Figures



SOURCE: USGS 7.5 SERIES QUADRANGLE MAP - JERSEY CITY, N.J., DATED 1981

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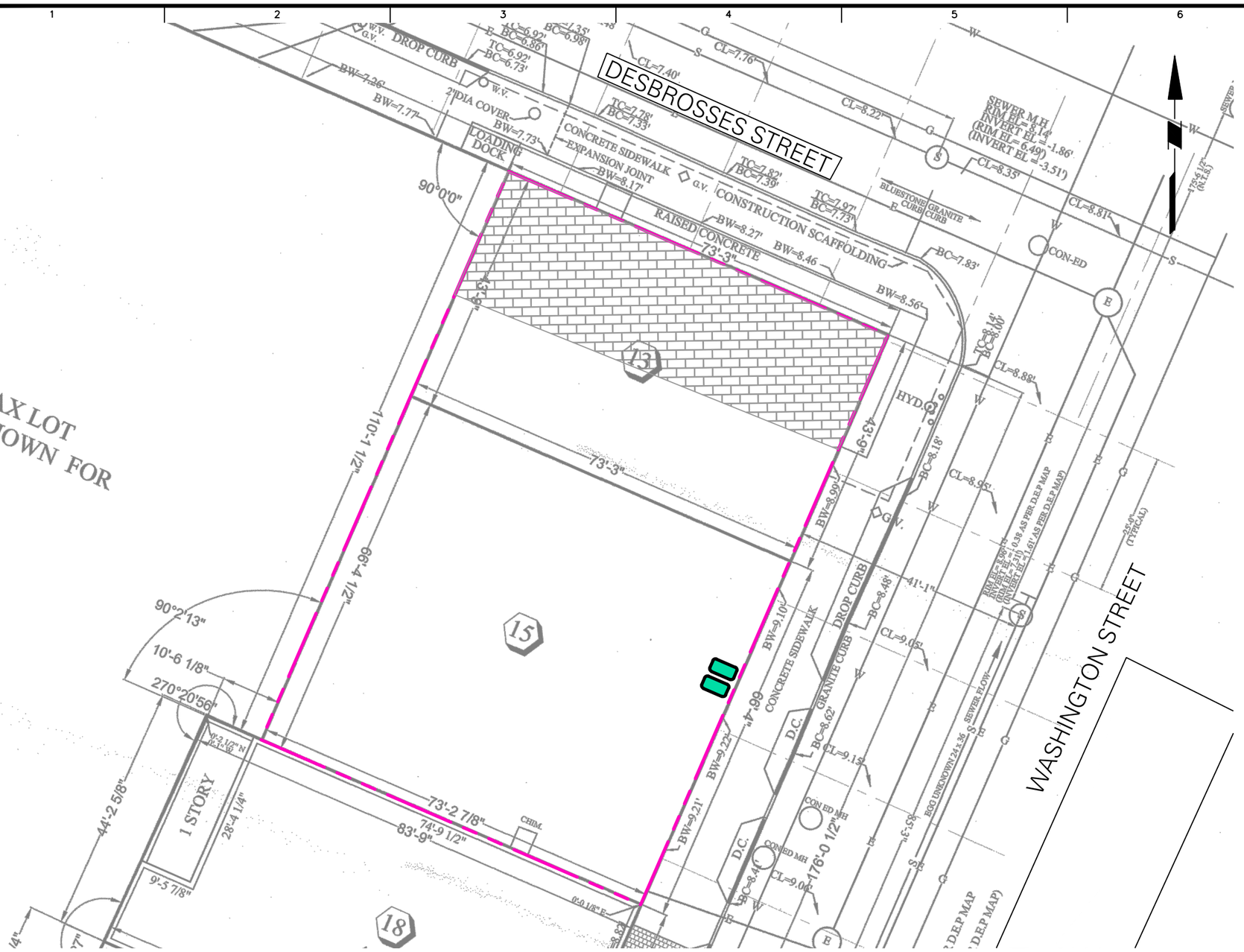
Project	440 WASHINGTON STREET BLOCK No. 223, LOT Nos. 13 and 15 NEW YORK NEW YORK NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170361501
Date	6/30/2015
Scale	NTS
Drawn By / Checked By	JL / BG
Submission Date	7/1/2015
Figure No.	1
Sheet	1 of 8

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIR\Figure 1 - Site Location Map.dwg Date: 7/1/2015 Time: 08:31 User: aschmiedicke Style Table: Langan.stb Layout: ANSIA-BP



'ED TAX LOT
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LEGEND:

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LOCATION OF FORMER SUSPECT UNDERGROUND STORAGE TANKS
- APPROXIMATE EXTENT OF FORMER BASEMENT, FILLED WITH DEMOLITION DEBRIS FROM SURFACE TO ABOUT 8 FEET BGS

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015
2. ALL ELEVATIONS SHOWN ON THE SURVEY BASE PLAN ARE WITH RESPECT TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

20 0 5 10 20
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Figure Title
SITE BOUNDARY MAP

Project No. 170361501	Figure No. 2
Date 6/30/2015	
Scale 1" = 20'	
Drawn By AS / Checked By BG	
Submission Date 7/1/2015	Sheet 2 of 8

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIR\Figure 2 - Site Boundary Map - 2015-08-03.dwg Date: 8/3/2015 Time: 12:14 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL

LEGEND

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

NOTES:

1. BASE MAP OBTAINED FROM WWW.OASISNYC.NET ON JUNE 30, 2015.

60 0 20 40 60
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WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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Figure Title
SURROUNDING LAND USE MAP

Project No. 170361501	Figure No. 3
Date 6/30/2015	
Scale 1" = 60'	
Drawn By AS / Checked By BG	
Submission Date 7/1/2015	Sheet 3 of 8

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIR\Figure 3 - Surrounding Land Use Map.dwg Date: 7/2/2015 Time: 14:40 User: aschmiedicke Style Table: Langan.stb Layout: ANSIB-BL

	SB13_1-2	SB13_14-15
Lab ID	**L1512158-09**	**L1512158-11**
Sample Date	**6/2/2015**	**6/2/2015**
VOCs (mg/kg)		
Acetone	**0.1**	**0.054**
SVOCs (mg/kg)		
Benzo(a)anthracene	**2**	0.14 U
Benzo(a)pyrene	**1.9**	0.19 U
Benzo(b)fluoranthene	**2.4**	0.14 U
Benzo(k)fluoranthene	**0.87**	0.14 U
Chrysene	**2.2**	0.14 U
Indeno(1,2,3-cd)pyrene	**1.3**	0.19 U
Total Metals (mg/kg)		
Copper, Total	**180**	21
Lead, Total	**230**	38
Mercury, Total	**0.42**	0.1 U
Pesticides (mg/kg)		
4,4'-DDE	**0.00501**	0.00237 U
4,4'-DDD	**0.00372**	0.00237 U
4,4'-DDT	**0.0429**	*0.00444* U

SB06_0.5-1.0	
Lab ID	**L1508860-06**
Sample Date	**4/28/2015**
VOCs (mg/kg)	
Naphthalene	**100**
SVOCs (mg/kg)	
Acenaphthene	**43**
Fluoranthene	**300**
Naphthalene	**67**
Benzo(a)anthracene	**130**
Benzo(a)pyrene	**100**
Benzo(b)fluoranthene	**120**
Benzo(k)fluoranthene	**45**
Chrysene	**120**
Fluorene	**50**
Phenanthrene	**350**
Dibenzo(a,h)anthracene	**14**
Indeno(1,2,3-cd)pyrene	**59**
Pyrene	**260**
Dibenzofuran	**35**
Total Metals (mg/kg)	
Lead, Total	**230**
Mercury, Total	**0.8**
Zinc, Total	**210**

SB07_1.0-2.0	
Lab ID	**L1508860-07**
Sample Date	**4/28/2015**
VOCs (mg/kg)	
Naphthalene	**210**
SVOCs (mg/kg)	
Acenaphthene	**22**
Fluoranthene	**200**
Naphthalene	**37**
Benzo(a)anthracene	**84**
Benzo(a)pyrene	**77**
Benzo(b)fluoranthene	**96**
Benzo(k)fluoranthene	**34**
Chrysene	**84**
Phenanthrene	**180**
Dibenzo(a,h)anthracene	**12**
Indeno(1,2,3-cd)pyrene	**50**
Pyrene	**180**
Dibenzofuran	**19**
Total Metals (mg/kg)	
Lead, Total	**460**
Mercury, Total	**0.53**
Zinc, Total	**220**

SB09_1.0-1.5	
Lab ID	**L1508897-01**
Sample Date	**4/29/2015**
Total Metals (mg/kg)	
Mercury, Total	**0.19**
Zinc, Total	**110**
Pesticides (mg/kg)	
4,4'-DDT	**0.00363** P

SB05_5.0-6.0	
Lab ID	**L1508860-05**
Sample Date	**4/28/2015**
Total Metals (mg/kg)	
Arsenic, Total	**130**
Cadmium, Total	**4.8**
Copper, Total	**42000**
Lead, Total	**1300**
Mercury, Total	**1.7**
Nickel, Total	**46**
Silver, Total	**41**
Zinc, Total	**4000**

	SB12_1-2	DUP01_06022015	SB12_14-15
Lab ID	**L1512158-06**	**L1512158-06**	**L1512158-08**
Sample Date	**6/2/2015**	**6/2/2015**	**2015-06-02**
Total Metals (mg/kg)			
Lead, Total	**110**	36	3.1
Mercury, Total	**0.3**	0.06 J	0.04 J
Zinc, Total	**120**	31	13
Pesticides (mg/kg)			
4,4'-DDE	**0.00689**	**0.00379** PI	0.0019 U
4,4'-DDT	**0.0162**	**0.0114**	*0.00356* U

	SB11_1-2	SB11_8-9
Lab ID	**L1512012-01**	**L1512012-02**
Sample Date	**6/1/2015**	**6/1/2015**
Total Metals (mg/kg)		
Lead, Total	**73**	54
Mercury, Total	**0.5**	0.05 J
Pesticides (mg/kg)		
4,4'-DDT	0.00202 J	**0.00486**

SB02_0.5-1.0	
Lab ID	**L1508860-02**
Sample Date	**2015-04-28**
Total Metals (mg/kg)	
Lead, Total	**90**
Zinc, Total	**130**

SB08_5.0-5.5	
Lab ID	**L1508860-09**
Sample Date	**4/28/2015**
SVOCs (mg/kg)	
Acetone	**0.13**
Total Metals (mg/kg)	
Lead, Total	**180**
Mercury, Total	**0.23**

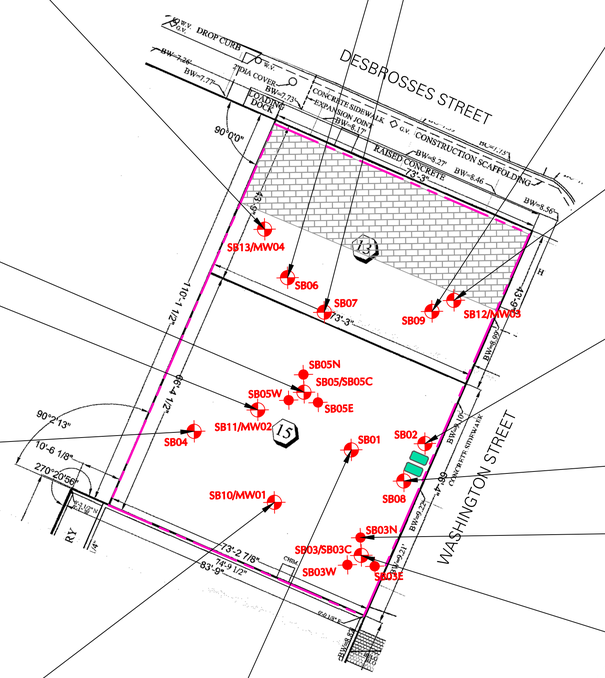
SB04_2.0-3.0	
Lab ID	**L1508860-04**
Sample Date	**4/28/2015**
SVOCs (mg/kg)	
Benzo(a)anthracene	**14**
Benzo(a)pyrene	**10**
Benzo(b)fluoranthene	**13**
Benzo(k)fluoranthene	**4.1**
Chrysene	**13**
Dibenzo(a,h)anthracene	**1.8**
Indeno(1,2,3-cd)pyrene	**5.4**
Total Metals (mg/kg)	
Arsenic, Total	**15**
Copper, Total	**54**
Lead, Total	**220**
Mercury, Total	**0.88**
Zinc, Total	**140**

SB03N_3-4	
Lab ID	**L1512158-03**
Sample Date	**6/2/2015**
VOCs (mg/kg)	
Benzene	**0.33** J
Toluene	**1.6**
Ethylbenzene	**6.9**
Xylenes, Total	**36**
n-Propylbenzene	**9.4**
1,3,5-Trimethylbenzene	**30**
1,2,4-Trimethylbenzene	**86**
Total Metals (mg/kg)	
Lead, Total	**290**
Mercury, Total	**1.3**

	SB10_1-2	SB10_7-8
Lab ID	**L1512012-03**	**L1512012-04**
Sample Date	**6/1/2015**	**6/1/2015**
VOCs (mg/kg)		
Acetone	0.0039 J	**0.16**
SVOCs (mg/kg)		
Benzo(a)anthracene	**12**	0.43
Benzo(a)pyrene	**9**	0.34
Benzo(b)fluoranthene	**11**	0.46
Benzo(k)fluoranthene	**3.2**	0.17
Chrysene	**15**	0.48
Dibenzo(a,h)anthracene	**1.6**	0.049 J
Indeno(1,2,3-cd)pyrene	**5.4**	0.2
Total Metals (mg/kg)		
Lead, Total	**360**	**120**
Mercury, Total	**0.23**	**0.34**
Zinc, Total	**170**	**560**

SB03_4.0-5.0	
Lab ID	**L1508860-03**
Sample Date	**2015-04-28**
SVOCs (mg/kg)	
Benzo(a)anthracene	**33**
Benzo(a)pyrene	**31**
Benzo(b)fluoranthene	**37**
Benzo(k)fluoranthene	**16**
Chrysene	**33**
Dibenzo(a,h)anthracene	**5.9**
Indeno(1,2,3-cd)pyrene	**21**
Total Metals (mg/kg)	
Copper, Total	**70**
Lead, Total	**3100**
Zinc, Total	**110**

SB01_1.0-2.0	
Lab ID	**L1508860-01**
Sample Date	**2015-04-28**
Total Metals (mg/kg)	
Copper, Total	**60**
Lead, Total	**200**
Mercury, Total	**1.1**



LEGEND:

- APPROXIMATE SITE BOUNDARY
- SB-10 — SOIL BORING/MONITORING WELL LOCATION
- SB05W — DELINEATION SOIL BORING LOCATION
- APPROXIMATE LOCATION OF FORMER SUSPECTED UNDERGROUND STORAGE TANKS
- APPROXIMATE EXTENT OF FORMER BASEMENT, FILLED WITH DEMOLITION DEBRIS FROM SURFACE TO ABOUT 8 FEET BGS

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015
2. ALL SOIL SAMPLES WERE ANALYZED FOR VOLATILE ORGANIC COMPOUNDS (VOCs), SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs), TOTAL METALS, ORGANOCHLORINE PESTICIDES, AND POLYCHLORINATED BIPHENYLS (PCBs). SELECT SAMPLES WERE ALSO ANALYZED FOR CHLORINATED HERBICIDES
3. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE AND RESTRICTED RESIDENTIAL USE SOIL CLEANUP OBJECTIVES (SCOs)
4. RESULTS ABOVE NYSDEC UNRESTRICTED USE SCOs ARE IN BOLD; RESULTS ABOVE NYSDEC RESTRICTED RESIDENTIAL USE SCOs ARE IN BOLD AND SHADED; NON-DETECTED COMPOUNDS WITH REPORTING LIMITS (RLs) ABOVE THE NYSDEC UNRESTRICTED USE SCOs ARE IN ITALICS
5. mg/kg = MILLIGRAMS PER KILOGRAM
6. NE = NO EXCEEDANCE
7. J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL), BUT BELOW THE RL; THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION
8. P = THE RELATIVE PERCENT DIFFERENCE (RPD) BETWEEN THE RESULTS FOR THE TWO COLUMNS EXCEEDS THE METHOD-SPECIFIED CRITERIA
9. PI = THE RELATIVE PERCENT DIFFERENCE (RPD) BETWEEN THE RESULTS FOR THE TWO COLUMNS EXCEEDS THE METHOD-SPECIFIED CRITERIA; THE LOWER VALUE FOR THE TWO COLUMNS HAS BEEN REPORTED DUE TO OBVIOUS INTERFERENCE
10. 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

ANAYLYTE	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO
Volatile Organic Compounds by 8260/5035 (mg/kg)		
Benzene	0.06	4.8
Toluene	0.7	100
Ethylbenzene	1	41
Xylenes, Total	0.26	100
Acetone	0.05	100
Naphthalene	12	100
n-Propylbenzene	3.9	100
1,3,5-Trimethylbenzene	8.4	52
1,2,4-Trimethylbenzene	3.6	52
Semivolatile Organic Compounds by GC/MS (mg/kg)		
Fluoranthene	100	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Acenaphthylene	100	100
Fluorene	30	100
Phenanthrene	100	100
Dibenzo(a,h)anthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
Pyrene	100	100
Dibenzofuran	7	59
Total Metals (mg/kg)		
Arsenic, Total	13	16
Cadmium, Total	2.5	4.3
Copper, Total	50	270
Lead, Total	63	400
Mercury, Total	0.18	0.81
Nickel, Total	30	310
Silver, Total	2	180
Zinc, Total	109	10000
Organochlorine Pesticides (mg/kg)		
4,4'-DDE	0.0033	8.9
4,4'-DDD	0.0033	13
4,4'-DDT	0.0033	7.9

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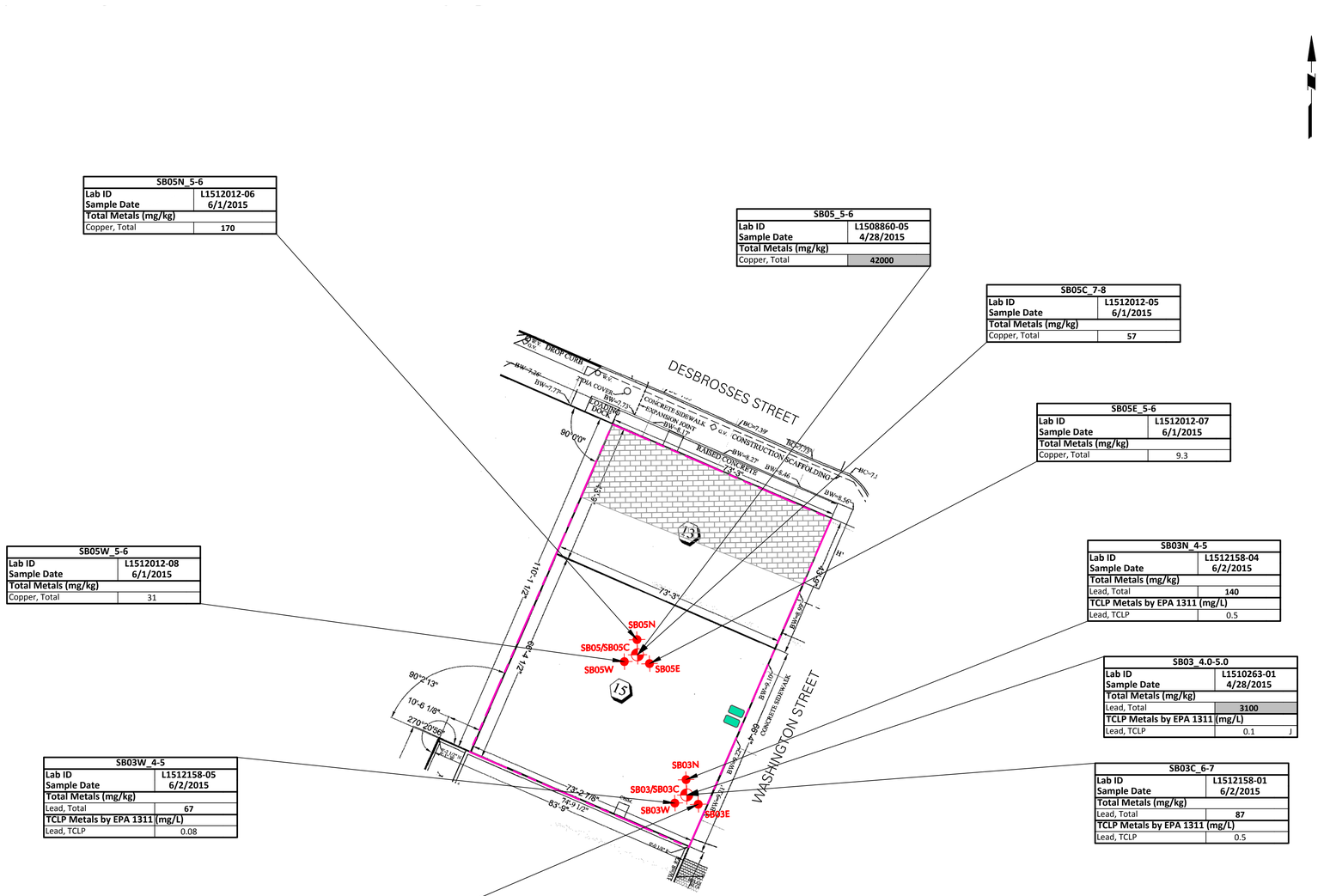
Figure Title
SOIL SAMPLE ANALYTICAL RESULTS MAP

Project No. 170361501	Figure No. 4
Date 6/30/2015	
Scale 1" = 20'	
Drawn By AS / Checked By BG	
Submission Date 7/1/2015	Sheet 4 of 8

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIR\Figure 4 - Soil Sample Analytical Results Map - 2015-08-03.dwg Date: 8/3/2015 Time: 12:03 User: dcarrus Style Table: Langan.stb Layout: ANSID-BL



SB05N_5-6	
Lab ID	L1512012-06
Sample Date	6/1/2015
Total Metals (mg/kg)	
Copper, Total	170

SB05_5-6	
Lab ID	L1508860-05
Sample Date	4/28/2015
Total Metals (mg/kg)	
Copper, Total	42000

SB05C_7-8	
Lab ID	L1512012-05
Sample Date	6/1/2015
Total Metals (mg/kg)	
Copper, Total	57

SB05E_5-6	
Lab ID	L1512012-07
Sample Date	6/1/2015
Total Metals (mg/kg)	
Copper, Total	9.3

SB05W_5-6	
Lab ID	L1512012-08
Sample Date	6/1/2015
Total Metals (mg/kg)	
Copper, Total	31

SB03N_4-5	
Lab ID	L1512158-04
Sample Date	6/2/2015
Total Metals (mg/kg)	
Lead, Total	140
TCLP Metals by EPA 1311 (mg/L)	
Lead, TCLP	0.5

SB03_4.0-5.0	
Lab ID	L1510263-01
Sample Date	4/28/2015
Total Metals (mg/kg)	
Lead, Total	3100
TCLP Metals by EPA 1311 (mg/L)	
Lead, TCLP	0.1 J

SB03W_4-5	
Lab ID	L1512158-05
Sample Date	6/2/2015
Total Metals (mg/kg)	
Lead, Total	67
TCLP Metals by EPA 1311 (mg/L)	
Lead, TCLP	0.08

SB03C_6-7	
Lab ID	L1512158-01
Sample Date	6/2/2015
Total Metals (mg/kg)	
Lead, Total	87
TCLP Metals by EPA 1311 (mg/L)	
Lead, TCLP	0.5

SB03E_4-5	
Lab ID	L1512158-02
Sample Date	6/2/2015
Total Metals (mg/kg)	
Lead, Total	76
TCLP Metals by EPA 1311 (mg/L)	
Lead, TCLP	0.5

LEGEND:

- APPROXIMATE SITE BOUNDARY
- SB03 — SOIL BORING/MONITORING WELL LOCATION
- SB03N — DELINEATION SOIL BORING LOCATION
- APPROXIMATE LOCATION OF FORMER SUSPECT UNDERGROUND STORAGE TANKS
- APPROXIMATE EXTENT OF FORMER BASEMENT, FILLED WITH DEMOLITION DEBRIS FROM SURFACE TO ABOUT 8 FEET BGS

NOTES:

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3. RESULTS ABOVE NYSDEC UNRESTRICTED USE SCOs ARE IN BOLD; RESULTS ABOVE NYSDEC RESTRICTED RESIDENTIAL USE SCOs ARE IN BOLD AND SHADED
4. mg/kg = MILLIGRAMS PER KILOGRAM
5. mg/L = MILLIGRAMS PER LITER
6. J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT (MDL) BUT BELOW THE REPORTING LIMIT (RL); THEREFORE, THE RESULT IS AN ESTIMATED CONCENTRATION

ANALYTE	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	USEPA RCRA TCLP
Total Metals (mg/kg)			
Copper, Total	50	270	~
Lead, Total	63	400	~
TCLP Metals by EPA 1311 (mg/l)			
Lead, TCLP	~	~	5

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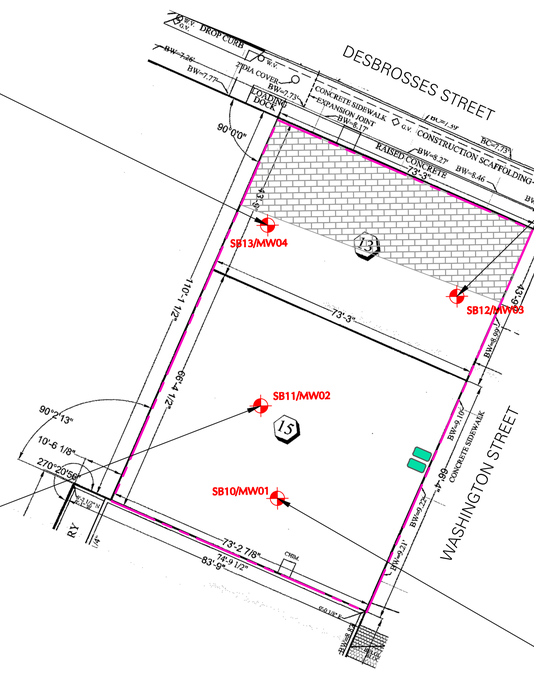
Figure Title
DELINEATION SOIL SAMPLE ANALYTICAL RESULTS MAP

Project No.	Figure No.
170361501	5
Date: 6/30/2015	
Scale: 1" = 20'	
Drawn By: AS / Checked By: BG	
Submission Date: 7/1/2015	Sheet 5 of 8

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIR\Figure 5 - Delineation Analytical Results Map - 2015-08-03.dwg Date: 8/3/2015 Time: 12:07 User: dcarrus Style Table: Langan.stb Layout: ANSID-BL

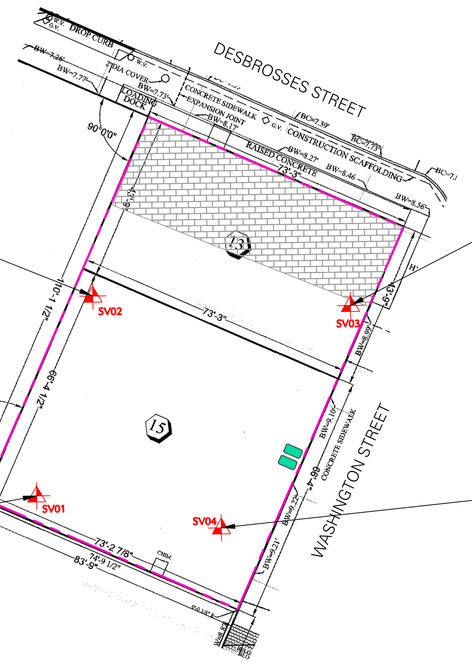
MW04	
Lab ID	**L1512315-04**
Sample Date	**6/3/2015**
SVOCs (ug/L)	
Chrysene	**0.25**
Benzo(a)anthracene	**0.26**
Benzo(a)pyrene	**0.28**
Benzo(b)fluoranthene	**0.3**
Benzo(k)fluoranthene	**0.12** J
Indeno(1,2,3-cd)Pyrene	**0.15** J
Total Metals (ug/L)	
Chromium, Total	**55.2**
Iron, Total	**4870**
Lead, Total	**57.6**
Magnesium, Total	**106000**
Manganese, Total	**1593**
Sodium, Total	**466000**
Dissolved Metals (ug/L)	
Iron, Dissolved	**1590**
Magnesium, Dissolved	**120000**
Manganese, Dissolved	**1955**
Sodium, Dissolved	**522000**

MW03	
Lab ID	**L1512315-03**
Sample Date	**6/3/2015**
Total Metals (ug/L)	
Chromium, Total	**73.8**
Iron, Total	**25500**
Lead, Total	**451.5**
Magnesium, Total	**102000**
Manganese, Total	**3318**
Sodium, Total	**442000**
Dissolved Metals (ug/L)	
Iron, Dissolved	**8630**
Magnesium, Dissolved	**119000**
Manganese, Dissolved	**3861**
Sodium, Dissolved	**477000**



SV02	
Lab ID	**L1512324-02**
Sample Date	**6/3/2015**
VOC (ug/m3)	
Dichlorodifluoromethane	2.42
Chloromethane	1.59
Ethanol	48.4
Acetone	228
Trichlorofluoromethane	3.87
Isopropanol	2.45
Tertiary butyl Alcohol	79.7
Methylene chloride	15.2
Carbon disulfide	23
2-Butanone	14
Chloroform	32.8
Tetrahydrofuran	1.73
n-Hexane	11.6
1,1,1-Trichloroethane	1.64
Benzene	6.84
Cyclohexane	9.88
Heptane	8.61
4-Methyl-2-pentanone	7.95
Toluene	72
2-Hexanone	1.29
Tetrachloroethene	8.54
Ethylbenzene	12.9
p/m-Xylene	53
Styrene	23.8
o-Xylene	21.7
4-Ethyltoluene	6.39
1,3,5-Trimethylbenzene	9.54
1,2,4-Trimethylbenzene	29.9
1,3-Dichlorobenzene	2.37

SV03	
Lab ID	**L1512324-03**
Sample Date	**6/3/2015**
VOC (ug/m3)	
Dichlorodifluoromethane	1.71
Chloromethane	2.83
Ethanol	226
Acetone	170
Trichlorofluoromethane	7.47
Isopropanol	7.79
Tertiary butyl Alcohol	43
Carbon disulfide	1.11
2-Butanone	5.54
Chloroform	4.71
n-Hexane	2.59
Benzene	2.86
Cyclohexane	2.61
2,2,4-Trimethylpentane	2.85
Heptane	2.74
Toluene	8.71
Tetrachloroethene	25.1
Ethylbenzene	1.45
p/m-Xylene	5.13
Styrene	2.84
o-Xylene	2.08
1,2,4-Trimethylbenzene	2.07
1,3-Dichlorobenzene	2.93



SV01	
Lab ID	**L1512324-01**
Sample Date	**6/3/2015**
VOC (ug/m3)	
Dichlorodifluoromethane	2.24
Chloromethane	2.11
Ethanol	431
Acetone	129
Isopropanol	489
Tertiary butyl Alcohol	5.21
Methylene chloride	7.05
2-Butanone	12.5
Tetrahydrofuran	3.07
n-Hexane	5.96
Benzene	2.4
Cyclohexane	36.5
2,2,4-Trimethylpentane	13.1
Heptane	4.59
Toluene	16.8
Ethylbenzene	5.47
p/m-Xylene	20.1
o-Xylene	7.95
1,3,5-Trimethylbenzene	2.29
1,2,4-Trimethylbenzene	7.72
1,3-Dichlorobenzene	19.8

SV04	
Lab ID	**L1512324-04**
Sample Date	**6/3/2015**
VOC (ug/m3)	
Dichlorodifluoromethane	1.4
Chloromethane	1.01
Ethanol	21.9
Acetone	173
Trichlorofluoromethane	1.63
Isopropanol	4.92
Tertiary butyl Alcohol	63.1
Methylene chloride	6.91
2-Butanone	13.2
Chloroform	33.7
n-Hexane	12.9
Benzene	1.65
Cyclohexane	1.27
Bromodichloromethane	3.31
2,2,4-Trimethylpentane	6.21
Heptane	10.2
4-Methyl-2-pentanone	9.67
Toluene	20.6
2-Hexanone	3.01
Tetrachloroethene	1.75
Ethylbenzene	10.7
p/m-Xylene	46.9
Styrene	22.1
o-Xylene	25.6
4-Ethyltoluene	9.93
1,3,5-Trimethylbenzene	21.3
1,2,4-Trimethylbenzene	59

LEGEND:

- APPROXIMATE SITE BOUNDARY
- SV04 — SOIL VAPOR POINT LOCATION
- APPROXIMATE LOCATION OF FORMER SUSPECT UNDERGROUND STORAGE TANKS
- APPROXIMATE EXTENT OF FORMER BASEMENT, FILLED WITH DEMOLITION DEBRIS FROM SURFACE TO ABOUT 8 FEET BGS

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015
2. VOC = VOLATILE ORGANIC COMPOUND
2. TABLES SHOW VOC ANALYTES DETECTED IN THE VAPOR SAMPLES
3. ug/m3 = MICROGRAMS PER CUBIC METER

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SCALE IN FEET

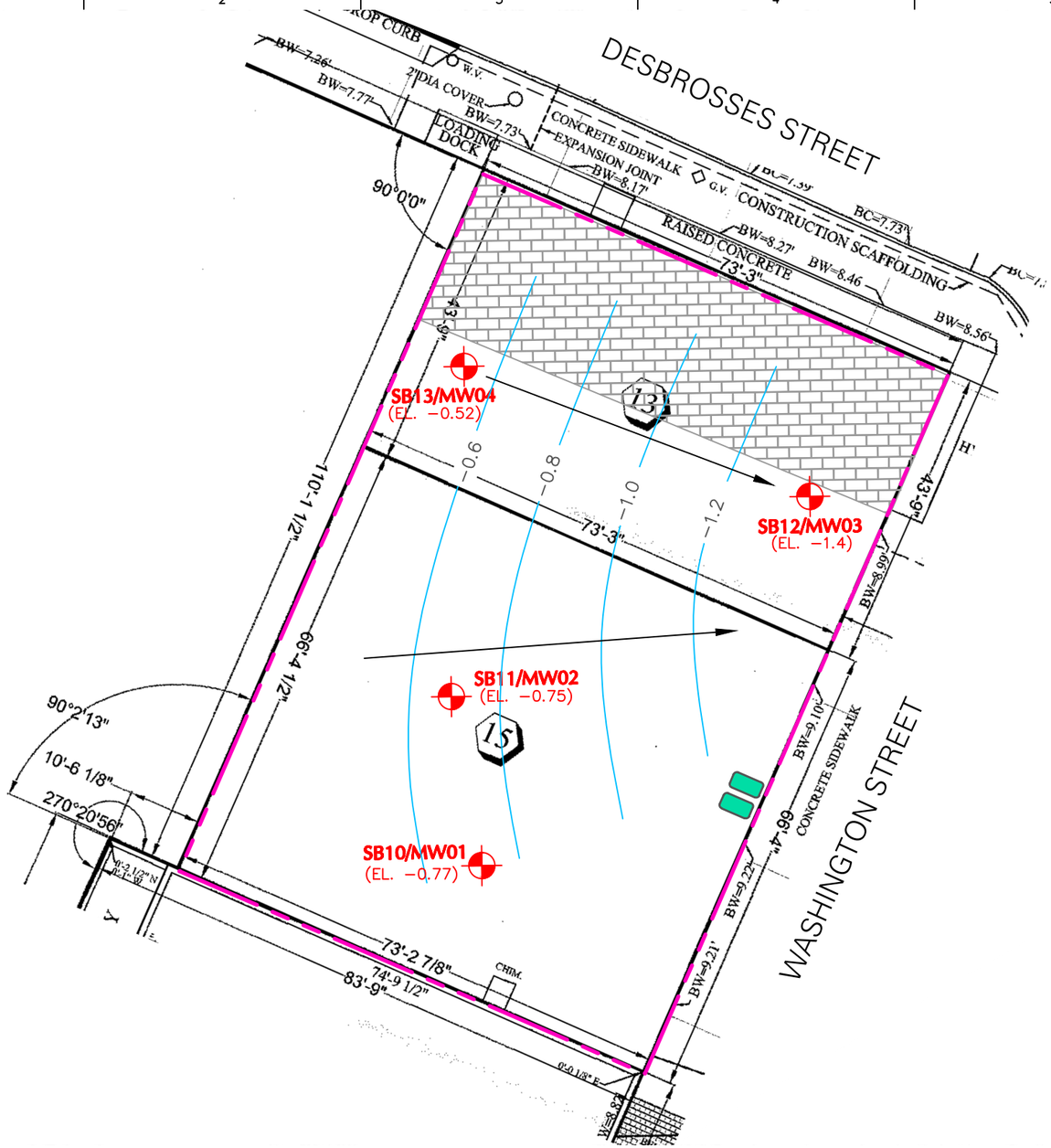
LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO WASHINGTON, DC FLORIDA TEXAS NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL PANAMA
Langan Engineering, Environmental, 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
NEW YORK NEW YORK

Project
440 WASHINGTON STREET
BLOCK No. 223, LOT No. 13 & 15
MANHATTAN

Figure Title
SOIL VAPOR SAMPLE ANALYTICAL RESULTS MAP

Project No. 170361501	Figure No. 7
Date 6/30/2015	
Scale 1" = 20'	
Drawn By AS / Checked By BG	
Submission Date 7/1/2015	Sheet 7 of 8

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIR\Figure 7 - Soil Vapor Sample Analytical Results Map - 2015-08-03.dwg Date: 8/3/2015 Time: 11:53 User: dcarrus Style Table: Langan.stb Layout: ANSID-BL



LEGEND:

- APPROXIMATE SITE BOUNDARY
- SB11/MW02 (EL. −0.75) — MONITORING WELL LOCATION WITH GROUNDWATER ELEVATION (FT BGS)
- APPROXIMATE LOCATION OF FORMER SUSPECT UNDERGROUND STORAGE TANKS
- APPROXIMATE EXTENT OF FORMER BASEMENT, FILLED WITH DEMOLITION DEBRIS FROM SURFACE TO ABOUT 8 FEET BGS
- −0.6 — GROUNDWATER CONTOUR WITH ELEVATION
- PRESUMED GROUNDWATER FLOW DIRECTION

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015.
2. GROUNDWATER ELEVATIONS CALCULATED AS DIFFERENCE BETWEEN ELEVATION OF TOP OF WELL PVC PIPE (FROM LANGAN SURVEY DATED JUNE 16, 2015) AND DEPTH TO GROUNDWATER (MEASURED IN THE FIELD IN FEET FROM THE TOP OF WELL PVC PIPE TO WATER LEVEL ON JUNE 6, 2015).
3. ELEVATIONS ARE IN REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

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LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
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
440 WASHINGTON STREET
BLOCK No. 223, LOT No. 13 & 15
MANHATTAN
NEW YORK NEW YORK

Figure Title
GROUNDWATER CONTOUR MAP

Project No. 170361501	Figure No. 8
Date 6/30/2015	
Scale 1" = 20'	
Drawn By AS / Checked By BG	
Submission Date 7/1/2015	Sheet 8 of 8

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIR\Figure 8 - Groundwater Contour Map - 2015-08-03.dwg Date: 8/3/2015 Time: 12:10 User: dcarrus Style Table: Langan.stb Layout: ANSIB-BL

Tables

Table 1
Monitoring Well Construction Summary
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Well ID	Date Installed	Equipment Used	Associated Soil Boring	Inner Well Diameter (inches)	Total Depth (feet bgs)	Screened Interval (feet bgs)	Screen Length (feet)	Screen Material	Riser Interval (feet bgs)	Riser Material	Sand Pack Interval (feet bgs)	Bentonitie Seal Interval (feet bgs)	Top of Riser Elevation (NAVD88)
MW01	6/2/2015	Geoprobe 7730DT	SB10	2	15	5 to 15	10	0.020-inch slotted prepack	0 to 5	PVC	3 to 15	0 to 3	8.04
MW02	6/2/2015	Geoprobe 7730DT	SB11	2	15	5 to 15	10	0.020-inch slotted prepack	0 to 5	PVC	3 to 15	0 to 3	8.71
MW03	6/3/2015	Geoprobe 7730DT	SB13	2	15	5 to 15	10	0.020-inch slotted prepack	0 to 5	PVC	3 to 15	0 to 3	8.23
MW04	6/3/2015	Geoprobe 7730DT	SB14	2	15	5 to 15	10	0.020-inch slotted prepack	0 to 5	PVC	3 to 15	0 to 3	7.74

Notes:

1. PVC = Polyvinyl Chloride.
2. bgs = below ground surface.
3. NAVD88 = North American Vertical Datum of 1988.
4. Top of riser elevations were based on a survey performed by Langan on June 16, 2015.

Table 2
Groundwater Elevation Data Summary
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Well ID	Date of Guaging	Top of Casing Elevation (NAVD88)	Depth to Groundwater (feet bgs)	Groundwater Elevation (NAVD88)
MW01	6/3/2015	8.04	8.81	-0.77
MW02	6/3/2015	8.71	9.46	-0.75
MW03	6/3/2015	8.23	9.63	-1.40
MW04	6/3/2015	7.74	8.26	-0.52

Notes:

1. NAVD88 = North American Vertical Datum of 1988.
2. bgs = below ground surface.
3. Top of riser elevations were based on a survey performed by Langan on June 16, 2015.

Table 3
Sample Summary
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Sample ID	Location ID	Date Sampled	Sample Material Type	Sample Depth Interval (ft bgs)	Sample Rationale	Sample Analysis
GRAB SAMPLES						
SB01_1.0-2.0	SB01	4/28/2015	Fill Material	1 to 2	Near surface	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB02_0.5-1.0	SB02	4/28/2015	Fill Material	0.5 to 1.0	Elevated PID readings/Apparent impacts	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB03_4.0-5.0	SB03	4/28/2015	Fill Material	4.0 to 5.0	Investigation of fill	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB03N_3-4	SB03	6/2/2015	Fill Material	3 to 4	Elevated PID readings/Apparent impacts	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB03W_4-5	SB03	6/2/2015	Fill Material	4 to 5	Horizontal deliniation of elevated lead	Total and TCLP Lead
SB03N_4-5	SB03	6/2/2015	Fill Material	4 to 5	Horizontal deliniation of elevated lead	Total and TCLP Lead
SB03E_4-5	SB03	6/2/2015	Fill Material	4 to 5	Horizontal deliniation of elevated lead	Total and TCLP Lead
SB03C__6-7	SB03	6/2/2015	Fill Material	6 to 7	Vertical deliniation of elevated lead	Total and TCLP Lead
SB04_2.0-3.0	SB04	4/28/2015	Fill Material	2 to 3	Near surface	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB05_5.0-6.0	SB05	4/28/2015	Fill Material	5 to 6	Investigation of fill	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB05W_5-6	SB05	6/1/2015	Fill Material	5 to 6	Horizontal deliniation of elevated copper	Total copper
SB05N_5-6	SB05	6/1/2015	Fill Material	5 to 6	Horizontal deliniation of elevated copper	Total copper
SB05E_5-6	SB05	6/1/2015	Fill Material	5 to 6	Horizontal deliniation of elevated copper	Total copper
SB05C_7-8	SB05	6/1/2015	Fill Material	7 to 8	Vertical deliniation of elevated copper	Total copper
SB06_0.5-1.0	SB06	4/28/2015	Fill Material	0.5 to 1	Near surface/apparent impacts	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB07_1.0-2.0	SB07	4/28/2015	Fill Material	1 to 2	Near surface/apparent impacts	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB08_3.5-4.0	SB08	4/28/2015	Fill Material	3.5 to 4	Elevated PID readings/Apparent impacts	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB08_5.0-5.5	SB08	4/28/2015	Fill Material	5 to 5.5	Elevated PID readings/Apparent impacts	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB08_11.5-12.0	SB08	4/28/2015	Native Soil	11.5 to 12	Elevated PID readings/Apparent impacts	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB08_13.5-14.0	SB08	4/28/2015	Native Soil	13.5 to 14	Vertical deliniation of apparent impacts	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB09_1.0-1.5	SB09	4/29/2015	Fill Material	1 to 1.5	Near surface	TCL VOCs, SVOCs, PEST, PCBs and TAL Metal
SB10_1-2	SB10	6/1/2015	Fill Material	1 to 2	Near surface	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB10_7-8	SB10	6/1/2015	Fill Material	7 to 8	Interval just above water table	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB11_1-2	SB11	6/1/2015	Fill Material	1 to 2	Near surface	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB11-9_10	SB11	6/1/2015	Fill Material	9 to 10	Interval just above water table	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB12_1-2	SB12	6/2/2015	Fill Material	1 to 2	Near surface	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB12_14-15	SB12	6/2/2015	Native Soil	14 to 15	Base of proposed excavation	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB13_1-2	SB13	6/2/2015	Fill Material	1 to 2	Near surface	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
SB13_14-15	SB13	6/2/2015	Native Soil	14 to 15	Base of proposed excavation	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
GROUNDWATER						
MW01_060315	SB10	6/3/2015	Groundwater	NA	NA	TCL VOCs, SVOCs, PCBs, TAL Metals (total and dissolved), Chromium Vi
MW02_060315	SB11	6/3/2015	Groundwater	NA	NA	TCL VOCs, SVOCs, PCBs, TAL Metals (total and dissolved), Chromium Vi
MW03_060315	SB12	6/3/2015	Groundwater	NA	NA	TCL VOCs, SVOCs, PCBs, TAL Metals (total and dissolved), Chromium Vi
MW04_060315	SB13	6/3/2015	Groundwater	NA	NA	TCL VOCs, SVOCs, PCBs, TAL Metals (total and dissolved), Chromium Vi
SOIL VAPOR						
AA_060315	NA	6/3/2015	Ambient Air	NA	Ambient Conditions	TO-15 VOCs
SV01_060315	SV01	6/3/2015	Vapor	4.5 to 5	2-3 ft above water table	TO-15 VOCs
SV02_060315	SV02	6/3/2015	Vapor	4.5 to 5	2-3 ft above water table	TO-15 VOCs
SV03_060315	SV03	6/3/2015	Vapor	4.5 to 5	2-3 ft above water table	TO-15 VOCs
SV04_060315	SV04	6/3/2015	Vapor	4.5 to 5	2-3 ft above water table	TO-15 VOCs
QA/QC						
DUP01_060215	SB12	6/2/2015	Soil	1 to 2	Test laboratory precision-soil	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide
DUP01_060315	MW01	6/2/2015	Water	NA	Test laboratory precision-gw	TCL VOCs, SVOCs, PEST, PCBs, TAL Metals, Chromium VI
FB01_060315	NA	6/3/2015	Water	NA	Test laboratory precision-soil/gw	TCL VOCs, SVOCs, PEST, PCBs, TAL Metals, Chromium VI
FB02_060215	NA	6/2/2015	Water	NA	Test laboratory precision-soil/gw	TCL VOCs, SVOCs, PEST, PCBs, TAL Metal, Chromium III, Chromium VI and Cyanide

Notes:

1. NYSDEC = New York State Department of Environmental Conservation
2. NJDEP = New Jersey Department of Environmental Protection
3. VOC = Volatile organic compound
4. SVOC = Semi-volatile organic compound
5. PCB = polychlorinated biphenyl
6. TCL = Target Compound List
7. PEST = Pesticide
8. TAL = Target Analyte List
9. QA/QC = Quality Assurance/Quality Control
10. NA = Not Applicable
11. ft bgs = feet below ground surface
12. GW = Groundwater

Table 4A
Soil Sample Results
Volativle Oraganic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date SAMPLE DEPTH (feet bgs)	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB01_1.0-2.0 L1508860-01 4/28/2015 1 to 2		SB02_0.5-1.0 L1508860-02 4/28/2015 0.5 to 1		SB03_4.0-5.0 L1508860-03 4/28/2015 4 to 5		SB03N_3-4 L1512158-03 6/2/2015 3 to 4		SB04_2.0-3.0 L1508860-04 4/28/2015 2 to 3		SB05_5.0-6.0 L1508860-05 4/28/2015 5 to 6		SB06_0.5-1.0 L1508860-06 4/28/2015 0.5 to 1		SB07_1.0-2.0 L1508860-07 4/28/2015 1 to 2		SB08_3.5-4.0 L1508860-08 4/28/2015 3.5 to 4		SB08_5.0-5.5 L1508860-09 4/28/2015 5 to 5.5		SB08_11.5-12.0 L1508860-10 4/28/2015 11.5 to 12	
Volatile Organic Compounds by 8260/5035 (mg/kg)																								
Methylene chloride	0.05	100	0.0061	U	0.0051	J	0.0051	J	*4.5*	U	0.0038	J	0.0029	J	*7.7*	U	*16*	U	*0.66*	U	*0.61*	U	*11*	U
1,1-Dichloroethane	0.27	26	0.00092	U	0.0016	U	0.0017	U	*0.67*	U	0.001	U	0.00088	U	*1.2*	U	*2.3*	U	0.099	U	0.092	U	*1.6*	U
Chloroform	0.37	49	0.00092	U	0.003		0.0017		*0.67*	U	0.00062	J	0.00069	J	*1.2*	U	*2.3*	U	0.099	U	0.092	U	*1.6*	U
Carbon tetrachloride	0.76	2.4	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	*0.77*	U	*1.6*	U	0.066	U	0.061	U	*1.1*	U
1,2-Dichloropropane	~	~	0.0022	U	0.0037	U	0.004	U	1.6	U	0.0024	U	0.002	U	2.7	U	5.4	U	0.23	U	0.22	U	3.8	U
Dibromochloromethane	~	~	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	1.6	U	0.066	U	0.061	U	1.1	U
1,1,2-Trichloroethane	~	~	0.00092	U	0.0016	U	0.0017	U	0.67	U	0.001	U	0.00088	U	1.2	U	2.3	U	0.099	U	0.092	U	1.6	U
Tetrachloroethene	1.3	19	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	*1.6*	U	0.066	U	0.061	U	1.1	U
Chlorobenzene	1.1	100	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	*1.6*	U	0.066	U	0.061	U	*1.1*	U
Trichlorofluoromethane	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
1,2-Dichloroethane	0.02	3.1	0.00061	U	0.001	U	0.0011	U	*0.45*	U	0.00069	U	0.00058	U	*0.77*	U	*1.6*	U	*0.066*	U	*0.061*	U	*1.1*	U
1,1,1-Trichloroethane	0.68	100	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	*0.77*	U	*1.6*	U	0.066	U	0.061	U	*1.1*	U
Bromodichloromethane	~	~	0.00061	U	0.00037	J	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	1.6	U	0.066	U	0.061	U	1.1	U
trans-1,3-Dichloropropene	~	~	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	1.6	U	0.066	U	0.061	U	1.1	U
cis-1,3-Dichloropropene	~	~	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	1.6	U	0.066	U	0.061	U	1.1	U
1,1-Dichloropropene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
Bromoform	~	~	0.0024	U	0.0042	U	0.0045	U	1.8	U	0.0028	U	0.0023	U	3.1	U	6.2	U	0.26	U	0.24	U	4.4	U
1,1,2,2-Tetrachloroethane	~	~	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	1.6	U	0.066	U	0.061	U	1.1	U
Benzene	0.06	4.8	0.00061	U	0.0004	J	0.0011	U	**0.33**	J	0.00069	U	0.00058	U	*0.77*	U	*1.6*	U	0.051	J	0.035	J	*1.1*	U
Toluene	0.7	100	0.00092	U	0.0047		0.0012	J	**1.6**		0.001	U	0.00088	U	0.4	J	0.38	J	0.12		0.096		*1.6*	U
Ethylbenzene	1	41	0.00061	U	0.0054		0.00052	J	**6.9**		0.00069	U	0.00058	U	0.22	J	0.23	J	0.017	J	0.061	U	*1.1*	U
Chloromethane	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
Bromomethane	~	~	0.0012	U	0.0021	U	0.0023	U	0.9	U	0.0014	U	0.0012	U	1.5	U	3.1	U	0.13	U	0.12	U	2.2	U
Vinyl chloride	0.02	0.9	0.0012	U	0.0021	U	0.0023	U	*0.9*	U	0.0014	U	0.0012	U	*1.5*	U	*3.1*	U	*0.13*	U	*0.12*	U	*2.2*	U
Chloroethane	~	~	0.0012	U	0.0021	U	0.0023	U	0.9	U	0.0014	U	0.0012	U	1.5	U	3.1	U	0.13	U	0.12	U	2.2	U
1,1-Dichloroethene	0.33	100	0.00061	U	0.001	U	0.0011	U	*0.45*	U	0.00069	U	0.00058	U	*0.77*	U	*1.6*	U	0.066	U	0.061	U	*1.1*	U
trans-1,2-Dichloroethene	0.19	100	0.00092	U	0.0016	U	0.0017	U	*0.67*	U	0.001	U	0.00088	U	*1.2*	U	*2.3*	U	0.099	U	0.092	U	*1.6*	U
Trichloroethene	0.47	21	0.00061	U	0.001	U	0.00028	J	0.45	U	0.00069	U	0.00058	U	*0.77*	U	*1.6*	U	0.066	U	0.061	U	*1.1*	U
1,2-Dichlorobenzene	1.1	100	0.0031	U	0.0052	U	0.0056	U	*2.2*	U	0.0034	U	0.0029	U	*3.9*	U	*7.8*	U	0.33	U	0.31	U	*5.5*	U
1,3-Dichlorobenzene	2.4	49	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	*3.9*	U	*7.8*	U	0.33	U	0.31	U	*5.5*	U
1,4-Dichlorobenzene	1.8	13	0.0031	U	0.0052	U	0.0056	U	*2.2*	U	0.0034	U	0.0029	U	*3.9*	U	*7.8*	U	0.33	U	0.31	U	*5.5*	U
Methyl tert butyl ether	0.93	100	0.0012	U	0.00033	J	0.0023	U	0.9	U	0.0014	U	0.0012	U	*1.5*	U	*3.1*	U	0.13	U	0.12	U	*2.2*	U
p/m-Xylene	~	~	0.0012	U	0.066		0.0037		18		0.0014	U	0.00016	J	0.7	J	0.73	J	0.2		0.11	J	2.2	U
o-Xylene	~	~	0.0012	U	0.032		0.0016	J	18		0.0014	U	0.0012	U	0.29	J	0.34	J	0.08	J	0.039	J	2.2	U
Xylenes, Total	0.26	100	0.0024	U	0.098		0.0053		**36**		0.0028	U	0.00136		0.99		1.07		0.28		0.149		4.4	U
cis-1,2-Dichloroethene	0.25	100	0.00061	U	0.001	U	0.0011	U	*0.45*	U	0.00069	U	0.00058	U	*0.77*	U	*1.6*	U	0.066	U	0.061	U	*1.1*	U

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:

J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.

U = analyte not detected at or above the level indicated.

~ = this indicates that no regulatory limit has been established for this analyte.

Table 4A
Soil Sample Results
Volativle Oraganic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date SAMPLE DEPTH (feet bgs)	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB01_1.0-2.0 L1508860-01 4/28/2015 1.0 to 2.0		SB02_0.5-1.0 L1508860-02 4/28/2015 0.5 to 1		SB03_4.0-5.0 L1508860-03 4/28/2015 4 to 5		SB03N_3-4 L1512158-03 6/2/2015 3 to 4		SB04_2.0-3.0 L1508860-04 4/28/2015 2 to 3		SB05_5.0-6.0 L1508860-05 4/28/2015 5 to 6		SB06_0.5-1.0 L1508860-06 4/28/2015 0.5 to 1		SB07_1.0-2.0 L1508860-07 4/28/2015 1 to 2		SB08_3.5-4.0 L1508860-08 4/28/2015 3.5 to 4		SB08_5.0-5.5 L1508860-09 4/28/2015 5 to 5.5		SB08_11.5-12.0 L1508860-10 4/28/2015 11.5 to 12	
Volatile Organic Compounds by 8260/5035 (mg/kg)																										
Dibromomethane	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
Styrene	~	~	0.0012	U	0.0021	U	0.0023	U	0.9	U	0.0014	U	0.0012	U	1.5	U	3.1	U	0.13	U	0.12	U	2.2	U
Dichlorodifluoromethane	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
Acetone	0.05	100	0.0016	J	0.0071	J	0.0036	J	*4.5*	U	0.013		0.0058	U	*7.7*	U	*16*	U	*0.66*	U	**0.13**	J	*11*	U
Carbon disulfide	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
2-Butanone	0.12	100	0.0061	U	0.01	U	0.011	U	*4.5*	U	0.0069	U	0.0058	U	*7.7*	U	*16*	U	*0.66*	U	*0.61*	U	*11*	U
Vinyl acetate	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
4-Methyl-2-pentanone	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
1,2,3-Trichloropropane	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
2-Hexanone	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
Bromochloromethane	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
2,2-Dichloropropane	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
1,2-Dibromoethane	~	~	0.0024	U	0.0042	U	0.0045	U	1.8	U	0.0028	U	0.0023	U	3.1	U	6.2	U	0.26	U	0.24	U	4.4	U
1,3-Dichloropropane	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
1,1,1,2-Tetrachloroethane	~	~	0.00061	U	0.001	U	0.0011	U	0.45	U	0.00069	U	0.00058	U	0.77	U	1.6	U	0.066	U	0.061	U	1.1	U
Bromobenzene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
n-Butylbenzene	12	100	0.00061	U	0.0024		0.0011	U	6		0.00069	U	0.00058	U	0.77	U	1.6	U	0.023	J	0.061	U	1.1	U
sec-Butylbenzene	11	100	0.00061	U	0.001	U	0.0011	U	2.6		0.00069	U	0.00058	U	0.77	U	1.6	U	0.013	J	0.061	U	1.9	
tert-Butylbenzene	5.9	100	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	*7.8*	U	0.33	U	0.31	U	0.34	J
o-Chlorotoluene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
p-Chlorotoluene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
1,2-Dibromo-3-chloropropane	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
Hexachlorobutadiene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
Isopropylbenzene	~	~	0.00061	U	0.0018		0.0011	U	2.4		0.00069	U	0.00058	U	0.77	U	1.6	U	0.066	U	0.061	U	1.1	U
p-Isopropyltoluene	~	~	0.00061	U	0.0012		0.0011	U	2.9		0.00069	U	0.00058	U	0.77	U	1.6	U	0.025	J	0.022	J	1.1	U
Naphthalene	12	100	0.0031	U	0.0045	J	0.00077	J	10		0.00037	J	0.0029	U	**100**		**210**		0.18	J	0.2	J	5.5	U
Acrylonitrile	~	~	0.0061	U	0.01	U	0.011	U	4.5	U	0.0069	U	0.0058	U	7.7	U	16	U	0.66	U	0.61	U	11	U
Tert-Butyl Alcohol	~	~	0.037	U	0.063	U	0.068	U	NT		0.041	U	0.035	U	46	U	93	U	4	U	3.7	U	66	U
n-Propylbenzene	3.9	100	0.00061	U	0.0029		0.0003	J	**9.4**		0.00069	U	0.00058	U	0.77	U	1.6	U	0.024	J	0.061	U	1.1	U
1,2,3-Trichlorobenzene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
1,2,4-Trichlorobenzene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
1,3,5-Trimethylbenzene	8.4	52	0.0031	U	0.027		0.0017	J	**30**		0.0034	U	0.0029	U	0.28	J	0.39	J	0.12	J	0.096	J	5.5	U
1,2,4-Trimethylbenzene	3.6	52	0.0031	U	0.049		0.0027	J	**86**		0.0034	U	0.0029	U	0.69	J	0.87	J	0.22	J	0.15	J	*5.5*	U
Methyl Acetate	~	~	0.012	U	0.021	U	0.023	U	NT		0.014	U	0.012	U	11	J	96		1.3	U	1.2	U	22	U
Acrolein	~	~	0.015	U	0.026	U	0.028	U	NT		0.017	U	0.015	U	19	U	39	U	1.6	U	1.5	U	28	U
Cyclohexane	~	~	0.012	U	0.004	J	0.00096	J	NT		0.014	U	0.012	U	15	U	31	U	0.071	J	1.2	U	22	U
1,4-Dioxane	~	~	0.061	U	*0.1*	U	*0.11*	U	*45*	U	0.069	U	0.058	U	*77*	U	*160*	U	*6.6*	U	*6.1*	U	*110*	U
Freon-113	~	~	0.012	U	0.021	U	0.023	U	NT		0.014	U	0.012	U	15	U	31	U	1.3	U	1.2	U	22	U
p-Diethylbenzene	~	~	0.0024	U	0.012		0.0011	J	51		0.0028	U	0.0023	U	0.31	J	6.2	U	0.21	J	0.51		1.1	J
p-Ethyltoluene	~	~	0.0024	U	0.029		0.0015	J	45		0.0028	U	0.0023	U	0.46	J	0.47	J	0.15	J	0.063	J	4.4	U
1,2,4,5-Tetramethylbenzene	~	~	0.0024	U	0.0033	J	0.00024	J	15		0.0028	U	0.0023	U	3.1	U	6.2	U	0.052	J	0.14	J	2.5	J
Ethyl ether	~	~	0.00028	J	0.0052	U	0.00074	J	2.2	U	0.0016	J	0.0008	J	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
trans-1,4-Dichloro-2-butene	~	~	0.0031	U	0.0052	U	0.0056	U	2.2	U	0.0034	U	0.0029	U	3.9	U	7.8	U	0.33	U	0.31	U	5.5	U
Methyl cyclohexane	~	~	0.0024	U	0.013		0.0044	J	NT		0.0028	U	0.0023	U	3.1	U	6.2	U	0.36		0.036	J	2.6	J

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4A
Soil Sample Results
Volativle Oraganic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID			SB08_13.5-14.0		SB09_1.0-1.5		SB10_1-2		SB10_7-8		SB11_1-2		SB11_8-9		SB12_1-2		DUP01_060215		SB12_14-15		SB13_1-2		SB13_14-15	
Lab Sample ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	L1508860-11		L1508897-01		L1512012-03		L1512012-04		L1512012-01		L1512012-02		L1512158-06		L1512158-10		L1512158-08		L1512158-09		L1512158-11	
Sampling Date			4/28/2015		4/29/2015		6/1/2015		6/1/2015		6/1/2015		6/1/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015	
SAMPLE DEPTH (feet bgs)			13.5 to 14		1 to 1.5		1 to 2		7 to 8		1 to 2		8 to 9		1 to 2		1 to 2		14 to 15		1 to 2		14 to 15	
Volatile Organic Compounds by 8260/5035 (mg/kg)																								
Methylene chloride	0.05	100	*5.1*	U	*0.57*	U	0.0027	J	0.0049	J	0.0037	J	0.0028	J	0.016	U	0.0048	J	0.01	U	0.011	U	0.014	U
1,1-Dichloroethane	0.27	26	*0.77*	U	0.085	U	0.0015	U	0.0016	U	0.0015	U	0.0014	U	0.0024	U	0.0019	U	0.0015	U	0.0016	U	0.002	U
Chloroform	0.37	49	*0.77*	U	0.085	U	0.0015	U	0.0016	U	0.0015	U	0.0014	U	0.0024	U	0.0019	U	0.0015	U	0.0016	U	0.002	U
Carbon tetrachloride	0.76	2.4	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
1,2-Dichloropropane	~	~	1.8	U	0.2	U	0.0036	U	0.0037	U	0.0035	U	0.0033	U	0.0055	U	0.0045	U	0.0036	U	0.0039	U	0.0047	U
Dibromochloromethane	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
1,1,2-Trichloroethane	~	~	0.77	U	0.085	U	0.0015	U	0.0016	U	0.0015	U	0.0014	U	0.0024	U	0.0019	U	0.0015	U	0.0016	U	0.002	U
Tetrachloroethene	1.3	19	0.51	U	0.017	J	0.001	U	0.0011	U	0.0027		0.00032	J	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Chlorobenzene	1.1	100	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Trichlorofluoromethane	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,2-Dichloroethane	0.02	3.1	*0.51*	U	*0.057*	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
1,1,1-Trichloroethane	0.68	100	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Bromodichloromethane	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
trans-1,3-Dichloropropene	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
cis-1,3-Dichloropropene	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
1,1-Dichloropropene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Bromoform	~	~	2	U	0.23	U	0.0041	U	0.0042	U	0.004	U	0.0038	U	0.0063	U	0.0051	U	0.0041	U	0.0044	U	0.0054	U
1,1,2,2-Tetrachloroethane	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Benzene	0.06	4.8	*0.51*	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Toluene	0.7	100	*0.77*	U	0.034	J	0.0015	U	0.00034	J	0.0015	U	0.0003	J	0.0024	U	0.0019	U	0.0015	U	0.0016	U	0.002	U
Ethylbenzene	1	41	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Chloromethane	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Bromomethane	~	~	1	U	0.11	U	0.002	U	0.0021	U	0.002	U	0.0019	U	0.0032	U	0.0026	U	0.002	U	0.0022	U	0.0027	U
Vinyl chloride	0.02	0.9	*1*	U	*0.11*	U	0.002	U	0.0021	U	0.002	U	0.0019	U	0.0032	U	0.0026	U	0.002	U	0.0022	U	0.0027	U
Chloroethane	~	~	1	U	0.11	U	0.002	U	0.0021	U	0.002	U	0.0019	U	0.0032	U	0.0026	U	0.002	U	0.0022	U	0.0027	U
1,1-Dichloroethene	0.33	100	*0.51*	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
trans-1,2-Dichloroethene	0.19	100	*0.77*	U	0.085	U	0.0015	U	0.0016	U	0.0015	U	0.0014	U	0.0024	U	0.0019	U	0.0015	U	0.0016	U	0.002	U
Trichloroethene	0.47	21	*0.51*	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
1,2-Dichlorobenzene	1.1	100	*2.6*	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,3-Dichlorobenzene	2.4	49	*2.6*	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,4-Dichlorobenzene	1.8	13	*2.6*	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Methyl tert butyl ether	0.93	100	*1*	U	0.11	U	0.002	U	0.0021	U	0.002	U	0.0019	U	0.0032	U	0.0026	U	0.002	U	0.0022	U	0.0027	U
p/m-Xylene	~	~	1	U	0.03	J	0.002	U	0.0021	U	0.002	U	0.0019	U	0.0032	U	0.0026	U	0.002	U	0.0022	U	0.0027	U
o-Xylene	~	~	1	U	0.013	J	0.002	U	0.0021	U	0.002	U	0.0019	U	0.0032	U	0.0026	U	0.002	U	0.0022	U	0.0027	U
Xylenes, Total	0.26	100	2	U	0.043		0.004	U	0.0042	U	0.004	U	0.0038	U	0.0064	U	0.0052	U	0.004	U	0.0044	U	0.0054	U
cis-1,2-Dichloroethene	0.25	100	*0.51*	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:

J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.

U = analyte not detected at or above the level indicated.

~ = this indicates that no regulatory limit has been established for this analyte.

Table 4A
Soil Sample Results
Volativle Oraganic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB08_13.5-14.0		SB09_1.0-1.5		SB10_1-2		SB10_7-8		SB11_1-2		SB11_8-9		SB12_1-2		DUP01_060215		SB12_14-15		SB13_1-2		SB13_14-15	
Lab Sample ID			L1508860-11		L1508897-01		L1512012-03		L1512012-04		L1512012-01		L1512012-02		L1512158-06		L1512158-10		L1512158-08		L1512158-09		L1512158-11	
Sampling Date			4/28/2015		4/29/2015		6/1/2015		6/1/2015		6/1/2015		6/1/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015	
SAMPLE DEPTH (feet bgs)			13.5 to 14		1 to 1.5		1 to 2		7 to 8		1 to 2		8 to 9		1 to 2		1 to 2		14 to 15		1 to 2		14 to 15	
Volatile Organic Compounds by 8260/5035 (mg/kg)																								
Dibromomethane	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
Styrene	~	~	1	U	0.11	U	0.002	U	0.0021	U	0.002	U	0.0019	U	0.0032	U	0.0026	U	0.002	U	0.0022	U	0.0027	U
Dichlorodifluoromethane	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
Acetone	0.05	100	*5.1*	U	*0.57*	U	0.0039	J	**0.16**		0.017		0.0034	J	0.017		0.047		0.049		**0.1**		**0.054**	
Carbon disulfide	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
2-Butanone	0.12	100	*5.1*	U	*0.57*	U	0.01	U	0.0028	J	0.01	U	0.0094	U	0.016	U	0.013	U	0.005	J	0.011	U	0.01	J
Vinyl acetate	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
4-Methyl-2-pentanone	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
1,2,3-Trichloropropane	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
2-Hexanone	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
Bromochloromethane	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
2,2-Dichloropropane	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,2-Dibromoethane	~	~	2	U	0.23	U	0.0041	U	0.0042	U	0.004	U	0.0038	U	0.0063	U	0.0051	U	0.0041	U	0.0044	U	0.0054	U
1,3-Dichloropropane	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,1,1,2-Tetrachloroethane	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Bromobenzene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
n-Butylbenzene	12	100	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
sec-Butylbenzene	11	100	0.78		0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
tert-Butylbenzene	5.9	100	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
o-Chlorotoluene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
p-Chlorotoluene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,2-Dibromo-3-chloropropane	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Hexachlorobutadiene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Isopropylbenzene	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
p-Isopropyltoluene	~	~	0.51	U	0.057	U	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
Naphthalene	12	100	2.6	U	0.014	J	0.0051	U	0.00028	J	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Acrylonitrile	~	~	5.1	U	0.57	U	0.01	U	0.011	U	0.01	U	0.0094	U	0.016	U	0.013	U	0.01	U	0.011	U	0.014	U
Tert-Butyl Alcohol	~	~	31	U	3.4	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
n-Propylbenzene	3.9	100	0.51	U	0.01	J	0.001	U	0.0011	U	0.001	U	0.00094	U	0.0016	U	0.0013	U	0.001	U	0.0011	U	0.0014	U
1,2,3-Trichlorobenzene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,2,4-Trichlorobenzene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,3,5-Trimethylbenzene	8.4	52	2.6	U	0.014	J	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
1,2,4-Trimethylbenzene	3.6	52	2.6	U	0.068	J	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Methyl Acetate	~	~	10	U	30		NT		NT		NT		NT		NT		NT		NT		NT		NT	
Acrolein	~	~	13	U	1.4	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
Cyclohexane	~	~	10	U	1.1	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
1,4-Dioxane	~	~	*51*	U	*5.7*	U	*0.1*	U	*0.11*	U	*0.1*	U	0.094	U	*0.16*	U	*0.13*	U	*0.1*	U	*0.11*	U	*0.14*	U
Freon-113	~	~	10	U	1.1	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
p-Diethylbenzene	~	~	2	U	0.23	U	0.0041	U	0.0042	U	0.004	U	0.0038	U	0.0063	U	0.0051	U	0.0041	U	0.0044	U	0.0054	U
p-Ethyltoluene	~	~	2	U	0.042	J	0.0041	U	0.0042	U	0.004	U	0.0038	U	0.0063	U	0.0051	U	0.0041	U	0.0044	U	0.0054	U
1,2,4,5-Tetramethylbenzene	~	~	0.89	J	0.23	U	0.0041	U	0.0042	U	0.004	U	0.0038	U	0.0063	U	0.0051	U	0.0041	U	0.0044	U	0.0054	U
Ethyl ether	~	~	2.6	U	0.28	U	0.002	J	0.0029	J	0.0015	J	0.0023	J	0.0019	J	0.0026	J	0.0051	U	0.0025	J	0.0068	U
trans-1,4-Dichloro-2-butene	~	~	2.6	U	0.28	U	0.0051	U	0.0053	U	0.005	U	0.0047	U	0.0079	U	0.0064	U	0.0051	U	0.0055	U	0.0068	U
Methyl cyclohexane	~	~	2.1		0.23	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	

Notes:

1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:

J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.

U = analyte not detected at or above the level indicated.

~ = this indicates that no regulatory limit has been established for this analyte.

Table 4B
Soil Sample Results
Semivolatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID			SB01_1.0-2.0		SB02_0.5-1.0		SB03_4.0-5.0		SB03N_3-4		SB04_2.0-3.0		SB05_5.0-6.0		SB06_0.5-1.0		SB07_1.0-2.0		SB08_3.5-4.0		SB08_5.0-5.5		SB08_11.5-12.0	
Lab Sample ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	L1508860-01		L1508860-02		L1508860-03		L1512158-03		L1508860-04		L1508860-05		L1508860-06		L1508860-07		L1508860-08		L1508860-09		L1508860-10	
Sampling Date			4/28/2015		4/28/2015		4/28/2015		6/2/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015	
SAMPLE DEPTH (feet bgs)			1 to 2		0.5 to 1		4 to 5		3 to 4		2 to 3		5 to 6		0.5 to 1		1 to 2		3.5 to 4		5 to 5.5		11.5 to 12	
Semivolatile Organic Compounds by GC/MS (mg/kg)																								
1,2,4-Trichlorobenzene	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
1,2-Dichlorobenzene	1.1	100	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	*8.8*	U	*8.8*	U	0.23	U	0.19	U	0.21	U
1,3-Dichlorobenzene	2.4	49	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	*8.8*	U	*8.8*	U	0.23	U	0.19	U	0.21	U
1,4-Dichlorobenzene	1.8	13	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	*8.8*	U	*8.8*	U	0.23	U	0.19	U	0.21	U
Benzoic Acid	~	~	0.68	U	0.64	U	2.6	U	0.73	U	2.5	U	0.63	U	28	U	29	U	0.75	U	0.61	U	0.67	U
Benzyl Alcohol	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Acenaphthene	20	100	0.17	U	0.16	U	0.95		0.046	J	0.5	J	0.16	U	**43**		**22**		0.18	U	0.15	U	0.17	U
Benzidine	~	~	0.7	U	0.65	U	2.6	U	NT		2.6	U	0.64	U	29	U	29	U	0.77	U	0.62	U	0.69	U
Azobenzene	~	~	0.21	U	0.2	U	0.79	U	NT		0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
2-Chloronaphthalene	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Hexachlorobenzene	0.33	1.2	0.13	U	0.12	U	*0.48*	U	0.13	U	*0.46*	U	0.12	U	*5.3*	U	*5.3*	U	0.14	U	0.11	U	0.12	U
Bis(2-chloroethyl)ether	~	~	0.19	U	0.18	U	0.72	U	0.2	U	0.7	U	0.17	U	7.9	U	8	U	0.21	U	0.17	U	0.19	U
3,3'-Dichlorobenzidine	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
2,4-Dinitrotoluene	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
2,6-Dinitrotoluene	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Fluoranthene	100	100	0.28		0.12	U	55		0.42		23		0.066	J	**300**		**200**		0.14	U	0.039	J	0.12	U
4-Chlorophenyl phenyl ether	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Bis(2-chloroisopropyl)ether	~	~	0.25	U	0.24	U	0.95	U	0.27	U	0.93	U	0.23	U	10	U	11	U	0.28	U	0.23	U	0.25	U
Bis(2-chloroethoxy)methane	~	~	0.23	U	0.21	U	0.86	U	0.24	U	0.84	U	0.21	U	9.5	U	9.6	U	0.25	U	0.2	U	0.22	U
Hexachlorobutadiene	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Hexachlorocyclopentadiene	~	~	0.6	U	0.56	U	2.3	U	0.64	U	2.2	U	0.56	U	25	U	25	U	0.66	U	0.54	U	0.6	U
Hexachloroethane	~	~	0.17	U	0.16	U	0.64	U	0.18	U	0.62	U	0.16	U	7	U	7.1	U	0.18	U	0.15	U	0.17	U
Isophorone	~	~	0.19	U	0.18	U	0.72	U	0.2	U	0.7	U	0.17	U	7.9	U	8	U	0.21	U	0.17	U	0.19	U
Naphthalene	12	100	0.21	U	0.066	J	0.27	J	1.6		0.46	J	0.19	U	**67**		**37**		0.23	U	0.11	J	0.21	U
Nitrobenzene	~	15	0.19	U	0.18	U	0.72	U	0.2	U	0.7	U	0.17	U	7.9	U	8	U	0.21	U	0.17	U	0.19	U
NitrosoDiPhenylAmine(NDPA)/DPA	~	~	0.17	U	0.16	U	0.64	U	0.18	U	0.62	U	0.16	U	7	U	7.1	U	0.18	U	0.15	U	0.17	U
n-Nitrosodi-n-propylamine	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Bis(2-ethylhexyl)phthalate	~	~	0.21	U	0.2	U	0.79	U	5.5		0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Butyl benzyl phthalate	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4B
Soil Sample Results
Semivolatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID			SB01_1.0-2.0		SB02_0.5-1.0		SB03_4.0-5.0		SB03N_3-4		SB04_2.0-3.0		SB05_5.0-6.0		SB06_0.5-1.0		SB07_1.0-2.0		SB08_3.5-4.0		SB08_5.0-5.5		SB08_11.5-12.0	
Lab Sample ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	L1508860-01		L1508860-02		L1508860-03		L1512158-03		L1508860-04		L1508860-05		L1508860-06		L1508860-07		L1508860-08		L1508860-09		L1508860-10	
Sampling Date			4/28/2015		4/28/2015		4/28/2015		6/2/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015		4/28/2015	
SAMPLE DEPTH (feet bgs)			1.0 to 2.0		0.5 to 1		4 to 5		3 to 4		2 to 3		5 to 6		0.5 to 1		1 to 2		3.5 to 4		5 to 5.5		11.5 to 12	
Semivolatile Organic Compounds by GC/MS (mg/kg)																								
Di-n-butylphthalate	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Di-n-octylphthalate	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Diethyl phthalate	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Dimethyl phthalate	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Benzo(a)anthracene	1	1	0.14		0.12	U	**33**		0.28		**14**		0.12	U	**130**		**84**		0.14	U	0.11	U	0.12	U
Benzo(a)pyrene	1	1	0.13	J	0.16	U	**31**		0.26		**10**		0.16	U	**100**		**77**		0.18	U	0.15	U	0.17	U
Benzo(b)fluoranthene	1	1	0.16		0.12	U	**37**		0.37		**13**		0.039	J	**120**		**96**		0.14	U	0.04	J	0.12	U
Benzo(k)fluoranthene	0.8	3.9	0.066	J	0.12	U	**16**		0.14		**4.1**		0.12	U	**45**		**34**		0.14	U	0.11	U	0.12	U
Chrysene	1	3.9	0.14		0.12	U	**33**		0.35		**13**		0.044	J	**120**		**84**		0.14	U	0.037	J	0.12	U
Acenaphthylene	100	100	0.17	U	0.16	U	5.6		0.072	J	4.4		0.16	U	20		20		0.18	U	0.15	U	0.17	U
Anthracene	100	100	0.039	J	0.12	U	10		0.076	J	5.6		0.12	U	98		51		0.14	U	0.11	U	0.12	U
Benzo(ghi)perylene	100	100	0.078	J	0.16	U	18		0.22		6.1		0.16	U	55		48		0.18	U	0.15	U	0.17	U
Fluorene	30	100	0.21	U	0.2	U	1.7		0.077	J	0.59	J	0.19	U	**50**		26		0.23	U	0.19	U	0.21	U
Phenanthrene	100	100	0.16		0.12	U	32		0.29		16		0.054	J	**350**		**180**		0.14	U	0.038	J	0.12	U
Dibenzo(a,h)anthracene	0.33	0.33	0.13	U	0.12	U	**5.9**		0.051	J	**1.8**		0.12	U	**14**		**12**		0.14	U	0.11	U	0.12	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.087	J	0.16	U	**21**		0.2		**5.4**		0.16	U	**59**		**50**		0.18	U	0.15	U	0.17	U
Pyrene	100	100	0.26		0.12	U	50		0.5		22		0.061	J	**260**		**180**		0.14	U	0.048	J	0.12	U
4-Chloroaniline	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
2-Nitroaniline	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
3-Nitroaniline	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
4-Nitroaniline	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Dibenzofuran	7	59	0.21	U	0.2	U	1.1		0.22	U	0.62	J	0.19	U	**35**		**19**		0.23	U	0.19	U	0.21	U
2-Methylnaphthalene	~	~	0.25	U	0.095	J	0.95	U	2.5		0.25	J	0.23	U	24		13		0.28	U	0.072	J	0.25	U
2,4,6-Trichlorophenol	~	~	0.13	U	0.12	U	0.48	U	0.13	U	0.46	U	0.12	U	5.3	U	5.3	U	0.14	U	0.11	U	0.12	U
p-Chloro-m-cresol	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
2-Chlorophenol	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
2,4-Dichlorophenol	~	~	0.19	U	0.18	U	0.72	U	0.2	U	0.7	U	0.17	U	7.9	U	8	U	0.21	U	0.17	U	0.19	U
2,4-Dimethylphenol	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
2-Nitrophenol	~	~	0.46	U	0.42	U	1.7	U	0.48	U	1.7	U	0.42	U	19	U	19	U	0.5	U	0.41	U	0.45	U
2,4-Dinitrophenol	~	~	1	U	0.94	U	3.8	U	1.1	U	3.7	U	0.93	U	42	U	42	U	1.1	U	0.91	U	1	U
4,6-Dinitro-o-cresol	~	~	0.55	U	0.51	U	2.1	U	0.58	U	2	U	0.5	U	23	U	23	U	0.6	U	0.49	U	0.54	U
Pentachlorophenol	0.8	6.7	0.17	U	0.16	U	0.64	U	0.18	U	0.62	U	0.16	U	*7*	U	*7.1*	U	0.18	U	0.15	U	0.17	U
Phenol	0.33	100	0.21	U	0.2	U	*0.79*	U	0.22	U	*0.78*	U	0.19	U	*8.8*	U	*8.8*	U	0.23	U	0.19	U	0.21	U
2-Methylphenol	0.33	100	0.21	U	0.2	U	*0.79*	U	0.22	U	*0.78*	U	0.19	U	*8.8*	U	*8.8*	U	0.23	U	0.19	U	0.21	U
3-Methylphenol/4-Methylphenol	0.33	100	0.3	U	0.28	U	*1.1*	U	0.32	U	0.31	J	0.28	U	*13*	U	*13*	U	*0.33*	U	0.27	U	0.3	U
2,4,5-Trichlorophenol	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Carbazole	~	~	0.21	U	0.2	U	2.2		0.22	U	0.91		0.19	U	31		18		0.23	U	0.19	U	0.21	U
4-Nitrophenol	~	~	0.29	U	0.28	U	1.1	U	0.31	U	1.1	U	0.27	U	12	U	12	U	0.32	U	0.26	U	0.29	U
n-Nitrosodimethylamine	~	~	0.42	U	0.39	U	1.6	U	NT		1.6	U	0.39	U	18	U	18	U	0.46	U	0.38	U	0.42	U
4-Bromophenyl phenyl ether	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Benzaldehyde	~	~	0.28	U	0.26	U	1	U	NT		1	U	0.26	U	12	U	12	U	0.31	U	0.25	U	0.27	U
Caprolactam	~	~	0.21	U	0.2	U	0.79	U	NT		0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Acetophenone	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Biphenyl	~	~	0.48	U	0.45	U	1.8	U	0.091	J	1.8	U	0.44	U	20	U	3.3	J	0.53	U	0.43	U	0.47	U
1,2,4,5-Tetrachlorobenzene	~	~	0.21	U	0.2	U	0.79	U	0.22	U	0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U
Atrazine	~	~	0.17	U	0.16	U	0.64	U	NT		0.62	U	0.16	U	7	U	7.1	U	0.18	U	0.15	U	0.17	U
2,3,4,6-Tetrachlorophenol	~	~	0.21	U	0.2	U	0.79	U	NT		0.78	U	0.19	U	8.8	U	8.8	U	0.23	U	0.19	U	0.21	U

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential USE SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4B
Soil Sample Results
Semivolatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB08_13.5-14.0		SB09_1.0-1.5		SB10_1-2		SB10_7-8		SB11_1-2		SB11_8-9		SB12_1-2		DUP01_060215		SB12_14-15		SB13_1-2		SB13_14-15	
Lab Sample ID			L1508860-11		L1508897-01		L1512012-03		L1512012-04		L1512012-01		L1512012-02		L1512158-06		L1512158-10		L1512158-08		L1512158-09		L1512158-11	
Sampling Date			4/28/2015		4/29/2015		6/1/2015		6/1/2015		6/1/2015		6/1/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015	
SAMPLE DEPTH (feet bgs)			13.5 to 14		1 to 1.5		1 to 2		7 to 8		1 to 2		8 to 9		1 to 2		1 to 2		14 to 15		1 to 2		14 to 15	
Semivolatile Organic Compounds by GC/MS (mg/kg)																								
1,2,4-Trichlorobenzene	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
1,2-Dichlorobenzene	1.1	100	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
1,3-Dichlorobenzene	2.4	49	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
1,4-Dichlorobenzene	1.8	13	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Benzoic Acid	~	~	0.65	U	1.1	U	0.66	U	0.64	U	0.59	U	0.64	U	0.78	U	0.59	U	0.66	U	1.2	U	0.78	U
Benzyl Alcohol	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Acenaphthene	20	100	0.16	U	0.28	U	1.4		0.04	J	0.15	U	0.16	U	0.058	J	0.16		0.16	U	0.26	J	0.19	U
Benzidine	~	~	0.67	U	1.2	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
Azobenzene	~	~	0.2	U	0.35	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
2-Chloronaphthalene	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Hexachlorobenzene	0.33	1.2	0.12	U	0.21	U	0.12	U	0.12	U	0.11	U	0.12	U	0.14	U	0.11	U	0.12	U	0.23	U	0.14	U
Bis(2-chloroethyl)ether	~	~	0.18	U	0.32	U	0.18	U	0.18	U	0.16	U	0.18	U	0.22	U	0.16	U	0.18	U	0.34	U	0.22	U
3,3'-Dichlorobenzidine	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
2,4-Dinitrotoluene	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
2,6-Dinitrotoluene	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Fluoranthene	100	100	0.12	U	1.6		19		1		0.11	U	0.12	U	0.78		1.7		0.12	U	4.6		0.14	U
4-Chlorophenyl phenyl ether	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Bis(2-chloroisopropyl)ether	~	~	0.24	U	0.42	U	0.24	U	0.24	U	0.22	U	0.24	U	0.29	U	0.22	U	0.24	U	0.46	U	0.29	U
Bis(2-chloroethoxy)methane	~	~	0.22	U	0.38	U	0.22	U	0.21	U	0.2	U	0.21	U	0.26	U	0.2	U	0.22	U	0.41	U	0.26	U
Hexachlorobutadiene	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Hexachlorocyclopentadiene	~	~	0.58	U	1	U	0.58	U	0.56	U	0.52	U	0.56	U	0.69	U	0.52	U	0.58	U	1.1	U	0.69	U
Hexachloroethane	~	~	0.16	U	0.28	U	0.16	U	0.16	U	0.15	U	0.16	U	0.19	U	0.15	U	0.16	U	0.3	U	0.19	U
Isophorone	~	~	0.18	U	0.32	U	0.18	U	0.18	U	0.16	U	0.18	U	0.22	U	0.16	U	0.18	U	0.34	U	0.22	U
Naphthalene	12	100	0.2	U	0.35	U	0.44		0.2	U	0.18	U	0.2	U	0.24	U	0.23		0.2	U	0.2	J	0.24	U
Nitrobenzene	~	15	0.18	U	0.32	U	0.18	U	0.18	U	0.16	U	0.18	U	0.22	U	0.16	U	0.18	U	0.34	U	0.22	U
NitrosoDiPhenylAmine(NDPA)/DPA	~	~	0.16	U	0.28	U	0.16	U	0.16	U	0.15	U	0.16	U	0.19	U	0.15	U	0.16	U	0.3	U	0.19	U
n-Nitrosodi-n-propylamine	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Bis(2-ethylhexyl)phthalate	~	~	0.2	U	0.23	J	0.2	U	0.2	U	0.18	U	0.2	U	0.43		0.18	U	0.19	J	0.24	J	0.24	U
Butyl benzyl phthalate	~	~	0.2	U	0.78		0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4B
Soil Sample Results
Semivolatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB08_13.5-14.0		SB09_1.0-1.5		SB10_1-2		SB10_7-8		SB11_1-2		SB11_8-9		SB12_1-2		DUP01_060215		SB12_14-15		SB13_1-2		SB13_14-15	
Lab Sample ID			L1508860-11		L1508897-01		L1512012-03		L1512012-04		L1512012-01		L1512012-02		L1512158-06		L1512158-10		L1512158-08		L1512158-09		L1512158-11	
Sampling Date			4/28/2015		4/29/2015		6/1/2015		6/1/2015		6/1/2015		6/1/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015	
SAMPLE DEPTH (feet bgs)			13.5 to 14		1 to 1.5		1 to 2		7 to 8		1 to 2		8 to 9		1 to 2		1 to 2		14 to 15		1 to 2		14 to 15	
Semivolatile Organic Compounds by GC/MS (mg/kg)																								
Di-n-butylphthalate	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Di-n-octylphthalate	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Diethyl phthalate	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Dimethyl phthalate	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Benzo(a)anthracene	1	1	0.12	U	0.74		**12**		0.43		0.11	U	0.12	U	0.42		0.66		0.12	U	**2**		0.14	U
Benzo(a)pyrene	1	1	0.16	U	0.54		**9**		0.34		0.15	U	0.16	U	0.34		0.51		0.16	U	**1.9**		0.19	U
Benzo(b)fluoranthene	1	1	0.12	U	0.74		**11**		0.46		0.11	U	0.12	U	0.49		0.66		0.12	U	**2.4**		0.14	U
Benzo(k)fluoranthene	0.8	3.9	0.12	U	0.26		**3.2**		0.17		0.11	U	0.12	U	0.18		0.26		0.12	U	**0.87**		0.14	U
Chrysene	1	3.9	0.12	U	0.82		**15**		0.48		0.11	U	0.12	U	0.5		0.78		0.12	U	**2.2**		0.14	U
Acenaphthylene	100	100	0.16	U	0.21	J	0.7		0.12	J	0.15	U	0.16	U	0.19	U	0.15	U	0.16	U	0.56		0.19	U
Anthracene	100	100	0.12	U	0.16	J	4.2		0.17		0.11	U	0.12	U	0.13	J	0.32		0.12	U	0.92		0.14	U
Benzo(ghi)perylene	100	100	0.16	U	0.39		5.6		0.18		0.15	U	0.16	U	0.23		0.33		0.16	U	1.3		0.19	U
Fluorene	30	100	0.2	U	0.35	U	1.3		0.073	J	0.18	U	0.2	U	0.24	U	0.19		0.2	U	0.26	J	0.24	U
Phenanthrene	100	100	0.12	U	0.63		22		0.95		0.11	U	0.12	U	0.81		2.3		0.12	U	3.1		0.14	U
Dibenzo(a,h)anthracene	0.33	0.33	0.12	U	0.21		**1.6**		0.049	J	0.11	U	0.12	U	0.052	J	0.094	J	0.12	U	0.27		0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.16	U	0.42		**5.4**		0.2		0.15	U	0.16	U	0.24		0.35		0.16	U	**1.3**		0.19	U
Pyrene	100	100	0.12	U	1.5		22		0.82		0.11	U	0.12	U	0.76		1.6		0.12	U	4.6		0.14	U
4-Chloroaniline	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
2-Nitroaniline	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
3-Nitroaniline	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
4-Nitroaniline	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Dibenzofuran	7	59	0.2	U	0.35	U	0.67		0.073	J	0.18	U	0.2	U	0.24	U	0.14	J	0.2	U	0.22	J	0.24	U
2-Methylnaphthalene	~	~	0.24	U	0.42	U	0.44		0.24	U	0.22	U	0.24	U	0.087	J	0.21	J	0.24	U	0.16	J	0.29	U
2,4,6-Trichlorophenol	~	~	0.12	U	0.21	U	0.12	U	0.12	U	0.11	U	0.12	U	0.14	U	0.11	U	0.12	U	0.23	U	0.14	U
p-Chloro-m-cresol	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
2-Chlorophenol	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
2,4-Dichlorophenol	~	~	0.18	U	0.32	U	0.18	U	0.18	U	0.16	U	0.18	U	0.22	U	0.16	U	0.18	U	0.34	U	0.22	U
2,4-Dimethylphenol	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
2-Nitrophenol	~	~	0.44	U	0.76	U	0.44	U	0.42	U	0.4	U	0.42	U	0.52	U	0.39	U	0.44	U	0.82	U	0.52	U
2,4-Dinitrophenol	~	~	0.97	U	1.7	U	0.98	U	0.94	U	0.88	U	0.94	U	1.2	U	0.88	U	0.98	U	1.8	U	1.2	U
4,6-Dinitro-o-cresol	~	~	0.52	U	0.92	U	0.53	U	0.51	U	0.48	U	0.51	U	0.63	U	0.47	U	0.53	U	0.99	U	0.62	U
Pentachlorophenol	0.8	6.7	0.16	U	0.28	U	0.16	U	0.16	U	0.15	U	0.16	U	0.19	U	0.15	U	0.16	U	0.3	U	0.19	U
Phenol	0.33	100	0.2	U	*0.35*	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	*0.38*	U	0.24	U
2-Methylphenol	0.33	100	0.2	U	*0.35*	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	*0.38*	U	0.24	U
3-Methylphenol/4-Methylphenol	0.33	100	0.29	U	*0.51*	U	0.068	J	0.28	U	0.26	U	0.28	U	*0.35*	U	0.26	U	0.29	U	*0.55*	U	*0.34*	U
2,4,5-Trichlorophenol	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Carbazole	~	~	0.2	U	0.35	U	1.5		0.066	J	0.18	U	0.2	U	0.071	J	0.18		0.2	U	0.53		0.24	U
4-Nitrophenol	~	~	0.28	U	0.49	U	0.28	U	0.27	U	0.26	U	0.27	U	0.34	U	0.26	U	0.28	U	0.53	U	0.34	U
n-Nitrosodimethylamine	~	~	0.4	U	0.71	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
4-Bromophenyl phenyl ether	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Benzaldehyde	~	~	0.27	U	0.39	J	NT		NT		NT		NT		NT		NT		NT		NT		NT	
Caprolactam	~	~	0.2	U	0.35	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
Acetophenone	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Biphenyl	~	~	0.46	U	0.8	U	0.089	J	0.45	U	0.42	U	0.45	U	0.55	U	0.42	U	0.46	U	0.86	U	0.55	U
1,2,4,5-Tetrachlorobenzene	~	~	0.2	U	0.35	U	0.2	U	0.2	U	0.18	U	0.2	U	0.24	U	0.18	U	0.2	U	0.38	U	0.24	U
Atrazine	~	~	0.16	U	0.28	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	
2,3,4,6-Tetrachlorophenol	~	~	0.2	U	0.35	U	NT		NT		NT		NT		NT		NT		NT		NT		NT	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential USE SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4C
Soil Sample Results
Metals
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date SAMPLE DEPTH (feet bgs)	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB01_1.0-2.0 L1508860-01 4/28/2015 1 to 2		SB02_0.5-1.0 L1508860-02 4/28/2015 0.5 to 1		SB03_4.0-5.0 L1508860-03 4/28/2015 4 to 5		SB03N_3-4 L1512158-03 6/2/2015 3 to 4		SB04_2.0-3.0 L1508860-04 4/28/2015 2 to 3		SB05_5.0-6.0 L1508860-05 4/28/2015 5 to 6		SB06_0.5-1.0 L1508860-06 4/28/2015 0.5 to 1		SB07_1.0-2.0 L1508860-07 4/28/2015 1 to 2		SB08_3.5-4.0 L1508860-08 4/28/2015 3.5 to 4		SB08_5.0-5.5 L1508860-09 4/28/2015 5 to 5.5		SB08_11.5-12.0 L1508860-10 4/28/2015 11.5 to 12	
Total Metals (mg/kg)																								
Aluminum, Total	~	~	3700		1600		3000		4400		5500		7800		3100		3700		1800		3600		4800	
Antimony, Total	~	~	1.4	J	4.7	U	5.5		2.6	U	1.1	J	93		1.6	J	1.2	J	4.6	U	4.4	U	4.9	U
Arsenic, Total	13	16	**13**		3.3		11		4.3		**15**		**130**		10		12		1.8		6		3.9	
Barium, Total	350	400	67		18		62		92		76		50		160		120		18		56		30	
Beryllium, Total	7.2	72	0.28	J	0.09	J	0.17	J	0.25	J	0.32	J	0.42	J	0.26	J	0.22	J	0.1	J	0.24	J	0.3	J
Cadmium, Total	2.5	4.3	0.25	J	0.21	J	0.2	J	1	U	0.12	J	**4.8**		0.38	J	0.39	J	0.91	U	0.88	U	0.98	U
Calcium, Total	~	~	17000		6400		23000		33000		14000		4600		32000		50000		5300		15000		750	
Chromium, Total	~	~	11		5.7		9.1		9.8		15		10		18		18		4.5		11		16	
Chromium, Trivalent	30	180	NT		NT		NT		9.5	J	NT		NT		NT		NT		NT		NT		NT	
Chromium, Hexavalent	1	110	NT		NT		NT		0.26	J	NT		NT		NT		NT		NT		NT		NT	
Cobalt, Total	~	~	9.4		1.5	J	3.4		4.6		5.6		8.5		4.5		4.1		1.7	J	4.4		4.6	
Copper, Total	50	270	**60**		13		**70**		26		**54**		**42000**		39		44		6.1		23		12	
Cyanide, Total (mg/kg)	27	27	NT		NT		NT		1.3	U	NT		NT		NT		NT		NT		NT		NT	
Iron, Total	~	~	19000		5200		13000		12000		15000		19000		9800		12000		3800		11000		10000	
Lead, Total	63	400	**200**		**90**		**3100**		**290**		**220**		**1300**		**230**		**460**		44		**180**		10	
Magnesium, Total	~	~	1700		770		3500		3000		2800		2100		3200		4200		690		1800		2200	
Manganese, Total	1600	2000	240		76		190		360		290		260		180		250		110		220		87	
Mercury, Total	0.18	0.81	**1.1**		0.06	J	0.16		**1.3**		**0.88**		**1.7**		**0.8**		**0.53**		0.05	J	**0.23**		0.08	U
Nickel, Total	30	310	18		4		11		13		19		**46**		14		17		4.8		12		26	
Potassium, Total	~	~	840		410		590		1000		1100		1000		840		690		470		990		840	
Selenium, Total	3.9	180	0.66	J	1.9	U	1.9	U	0.43	J	1.8	U	1.8		1.2	J	0.74	J	1.8	U	1.8	U	2	U
Silver, Total	2	180	0.97	U	0.94	U	0.94	U	1	U	0.89	U	**41**		1	U	1	U	0.91	U	0.88	U	0.98	U
Sodium, Total	~	~	480		140	J	800		900		350		670		840		720		300		690		290	
Thallium, Total	~	~	1.9	U	1.9	U	1.9	U	2.1	U	1.8	U	1.8	U	2.1	U	2.1	U	1.8	U	1.8	U	2	U
Vanadium, Total	~	~	12		6.4		16		14		17		13		14		17		4.5		13		15	
Zinc, Total	109	10000	85		**130**		**110**		60		**140**		**4000**		**210**		**220**		11		47		15	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4C
Soil Sample Results
Metals
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB08_13.5-14.0		SB09_1.0-1.5		SB10_1-2		SB10_7-8		SB11_1-2		SB11_8-9		SB12_1-2		DUP01_060215		SB12_14-15		SB13_1-2		SB13_14-15	
Lab Sample ID			L1508860-11		L1508897-01		L1512012-03		L1512012-04		L1512012-01		L1512012-02		L1512158-06		L1512158-10		L1512158-08		L1512158-09		L1512158-11	
Sampling Date			4/28/2015		4/29/2015		6/1/2015		6/1/2015		6/1/2015		6/1/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015	
SAMPLE DEPTH (feet bgs)			13.5 to 14		1 to 1.5		1 to 2		7 to 8		1 to 2		8 to 9		1 to 2		1 to 2		14 to 15		1 to 2		14 to 15	
Total Metals (mg/kg)																								
Aluminum, Total	~	~	2900		1800		4100		3700		4500		3900		3100		2800		4700		2000		9500	
Antimony, Total	~	~	4.6	U	4.3	U	4.7	U	4.6	U	4.2	U	4.7	U	0.47	J	2.2	U	2.5	U	0.5	J	2.8	U
Arsenic, Total	13	16	2.8		6.2		3.7		3.2		3.1		1.6		6		3.1		2.8		5.6		4.6	
Barium, Total	350	400	24		75		100		60		49		35		54		29		24		68		39	
Beryllium, Total	7.2	72	0.17	J	0.15	J	0.2	J	0.19	J	0.26	J	0.2	J	0.22	J	0.22		0.26		0.16	J	0.47	J
Cadmium, Total	2.5	4.3	0.92	U	0.86	U	0.94	U	0.52	J	0.85	U	0.94	U	0.57	U	0.45	U	0.49	U	0.45	U	1.1	U
Calcium, Total	~	~	5700		28000		12000		36000		5800		14000		19000		9300		460		5600		4000	
Chromium, Total	~	~	10		6.4		12		11		13		10		9.1		8.2		10		8.1		18	
Chromium, Trivalent	30	180	NT		NT		12		11		13		10		9.1		8.2		10		7.8	J	18	
Chromium, Hexavalent	1	110	NT		NT		*1*	U	0.95	U	0.9	U	0.95	U	*1.2*	U	0.9	U	0.99	U	0.28	J	*1.2*	U
Cobalt, Total	~	~	3.3		4		4.5		3.2		5.7		3.8		2.9		2.4		4.5		3.6		7.1	
Copper, Total	50	270	8.5		17		43		27		36		12		15		13		7.6		**180**		21	
Cyanide, Total (mg/kg)	27	27	NT		NT		1.2	U	0.37	J	1.1	U	1.1	U	1.4	U	1.1	U	1.2	U	1.1	U	1.4	U
Iron, Total	~	~	7400		12000		10000		16000		11000		7800		10000		6500		7800		9700		19000	
Lead, Total	63	400	61		47		**360**		**120**		**73**		54		**110**		36		3.1		**230**		38	
Magnesium, Total	~	~	1500		1400		2500		7800		2200		1800		3800		3100		1300		820		4300	
Manganese, Total	1600	2000	220		110		360		340		310		220		200		140		500		72		440	
Mercury, Total	0.18	0.81	0.06	J	**0.19**		**0.23**		**0.34**		**0.5**		0.05	J	**0.3**		0.06	J	0.04	J	**0.42**		0.1	U
Nickel, Total	30	310	12		8.5		15		16		19		11		9.5		6.9		13		7.8		25	
Potassium, Total	~	~	690		540		840		660		920		700		830		620		560		330		1600	
Selenium, Total	3.9	180	1.8	U	0.78	J	1.9	U	0.29	J	1.7	U	1.9	U	0.37	J	0.9	U	0.98	U	0.9	U	2.3	U
Silver, Total	2	180	0.92	U	0.86	U	0.94	U	0.22	J	0.85	U	0.94	U	0.57	U	0.45	U	0.49	U	0.45	U	1.1	U
Sodium, Total	~	~	320		950		750		510		650		620		590		380		170		280		670	
Thallium, Total	~	~	1.8	U	1.7	U	1.9	U	1.8	U	1.7	U	1.9	U	1.1	U	0.9	U	0.98	U	0.9	U	2.3	U
Vanadium, Total	~	~	9.7		11		15		11		12		9.9		12		12		11		8.1		21	
Zinc, Total	109	10000	13		**110**		**170**		**560**		26		21		**120**		31		13		50		36	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residential Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4D
Soil Sample Results
Pesticides, Herbicides and Polycholrinated Biphenyls
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date SAMPLE DEPTH (feet bgs)	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB01_1.0-2.0 L1508860-01 4/28/2015 1 to 2		SB02_0.5-1.0 L1508860-02 4/28/2015 0.5 to 1		SB03_4.0-5.0 L1508860-03 4/28/2015 4 to 5		SB03N_3-4 L1512158-03 6/2/2015 3 to 4		SB04_2.0-3.0 L1508860-04 4/28/2015 2 to 3		SB05_5.0-6.0 L1508860-05 4/28/2015 5 to 6		SB06_0.5-1.0 L1508860-06 4/28/2015 0.5 to 1		SB07_1.0-2.0 L1508860-07 4/28/2015 1 to 2		SB08_3.5-4.0 L1508860-08 4/28/2015 3.5 to 4		SB08_5.0-5.5 L1508860-09 4/28/2015 5 to 5.5		SB08_11.5-12.0 L1508860-10 4/28/2015 11.5 to 12	
Organochlorine Pesticides (mg/kg)																								
Delta-BHC	0.04	100	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
Lindane	0.1	1.3	0.000811	U	0.000768	U	0.000769	U	0.000881	U	0.000771	U	0.000744	U	0.000874	U	0.000884	U	0.00077	U	0.000728	U	0.000793	U
Alpha-BHC	0.02	0.48	0.000811	U	0.000768	U	0.000769	U	0.000881	U	0.000771	U	0.000744	U	0.000874	U	0.000884	U	0.00077	U	0.000728	U	0.000793	U
Beta-BHC	0.036	0.36	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
Heptachlor	0.042	2.1	0.000974	U	0.000922	U	0.000923	U	0.00106	U	0.000925	U	0.000893	U	0.00105	U	0.00106	U	0.000924	U	0.000874	U	0.000952	U
Aldrin	0.005	0.097	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
Heptachlor epoxide	~	~	0.00365	U	0.00346	U	0.00346	U	0.00396	U	0.00347	U	0.00335	U	0.00393	U	0.00398	U	0.00347	U	0.00328	U	0.00357	U
Endrin	0.014	11	0.000811	U	0.000768	U	0.000769	U	0.000881	U	0.000771	U	0.000744	U	0.000874	U	0.000884	U	0.00077	U	0.000728	U	0.000793	U
Endrin ketone	~	~	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
Dieldrin	0.005	0.2	0.00122	U	0.00115	U	0.00115	U	0.00132	U	0.00116	U	0.00112	U	0.00131	U	0.00132	U	0.00116	U	0.00109	U	0.00119	U
4,4'-DDE	0.0033	8.9	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
4,4'-DDD	0.0033	13	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
4,4'-DDT	0.0033	7.9	*0.00365*	U	*0.00346*	U	*0.00346*	U	*0.00396*	U	*0.00347*	U	*0.00335*	U	*0.00393*	U	*0.00398*	U	*0.00347*	U	0.00328	U	*0.00357*	U
Endosulfan I	2.4	24	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
Endosulfan II	2.4	24	0.00195	U	0.00184	U	0.00184	U	0.00211	U	0.00185	U	0.00179	U	0.0021	U	0.00212	U	0.00185	U	0.00175	U	0.0019	U
Endosulfan sulfate	2.4	24	0.000811	U	0.000768	U	0.000769	U	0.000881	U	0.000771	U	0.000744	U	0.000874	U	0.000884	U	0.00077	U	0.000728	U	0.000793	U
Methoxychlor	~	~	0.00365	U	0.00346	U	0.00346	U	0.00396	U	0.00347	U	0.00335	U	0.00393	U	0.00398	U	0.00347	U	0.00328	U	0.00357	U
Toxaphene	~	~	0.0365	U	0.0346	U	0.0346	U	0.0396	U	0.0347	U	0.0335	U	0.0393	U	0.0398	U	0.0347	U	0.0328	U	0.0357	U
cis-Chlordane	0.094	4.2	0.00243	U	0.0023	U	0.00231	U	0.00264	U	0.00231	U	0.00223	U	0.00262	U	0.00265	U	0.00231	U	0.00218	U	0.00238	U
trans-Chlordane	~	~	0.00243	U	0.0023	U	0.00231	U	0.00264	U	0.00231	U	0.00223	U	0.00262	U	0.00265	U	0.00231	U	0.00218	U	0.00238	U
Chlordane	~	~	0.0158	U	0.015	U	0.015	U	0.0172	U	0.015	U	0.0145	U	0.017	U	0.0172	U	0.015	U	0.0142	U	0.0155	U
Polychlorinated Biphenyls (mg/kg)																								
Aroclor 1016	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1221	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1232	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1242	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1248	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1254	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1260	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1262	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Aroclor 1268	0.1	1	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
PCBs, Total	~	~	0.0413	U	0.0386	U	0.0407	U	0.0434	U	0.0745	U	0.038	U	0.0438	U	0.0882	U	0.0395	U	0.037	U	0.0413	U
Chlorinated Herbicides (mg/kg)																								
2,4-D	~	~	NT		NT		NT		0.222	U	NT		NT		NT		NT		NT		NT		NT	
2,4,5-T	~	~	NT		NT		NT		0.222	U	NT		NT		NT		NT		NT		NT		NT	
2,4,5-TP (Silvex)	3.8	100	NT		NT		NT		0.222	U	NT		NT		NT		NT		NT		NT		NT	
General Chemistry																								
Solids, Total (%)	~	~	78.2		83.4		81.8		73.8		85.3		85.6		74.9		74.1		83.6		88		79.5	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated.
U = analyte not detected at or above the level indicated.
P = the relative percentage difference between the results for the two instrument columns exceeds the method-specified criteria.
I = The lower value for the two instrument columns has been reported due to obvious interference.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 4D
Soil Sample Results
Pesticides, Herbicides and Polycholrinated Biphenyls
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB08_13.5-14.0		SB09_1.0-1.5		SB10_1-2		SB10_7-8		SB11_1-2		SB11_8-9		SB12_1-2		DUP01_060215		SB12_14-15		SB13_1-2		SB13_14-15	
Lab Sample ID			L1508860-11		L1508897-01		L1512012-03		L1512012-04		L1512012-01		L1512012-02		L1512158-06		L1512158-10		L1512158-08		L1512158-09		L1512158-11	
Sampling Date			4/28/2015		4/29/2015		6/1/2015		6/1/2015		6/1/2015		6/1/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015		6/2/2015	
SAMPLE DEPTH (feet bgs)			13.5 to 14		1 to 1.5		1 to 2		7 to 8		1 to 2		8 to 9		1 to 2		1 to 2		14 to 15		1 to 2		14 to 15	
Organochlorine Pesticides (mg/kg)																								
Delta-BHC	0.04	100	0.00195	U	0.00174	U	0.00198	U	0.00186	U	0.00169	U	0.00187	U	0.00226	U	0.00176	U	0.0019	U	0.0018	U	0.00237	U
Lindane	0.1	1.3	0.000814	U	0.000724	U	0.000824	U	0.000777	U	0.000705	U	0.000779	U	0.000942	U	0.000732	U	0.000791	U	0.00075	U	0.000986	U
Alpha-BHC	0.02	0.48	0.000814	U	0.000724	U	0.000824	U	0.000777	U	0.000705	U	0.000779	U	0.000942	U	0.000732	U	0.000791	U	0.00075	U	0.000986	U
Beta-BHC	0.036	0.36	0.00195	U	0.00174	U	0.00198	U	0.00186	U	0.00169	U	0.00187	U	0.00226	U	0.00176	U	0.0019	U	0.0018	U	0.00237	U
Heptachlor	0.042	2.1	0.000977	U	0.000869	U	0.000989	U	0.000933	U	0.000846	U	0.000935	U	0.00113	U	0.00221	PI	0.000949	U	0.000773	J	0.00118	U
Aldrin	0.005	0.097	0.00195	U	0.00174	U	0.00198	U	0.00186	U	0.00169	U	0.00187	U	0.00226	U	0.00176	U	0.0019	U	0.0018	U	0.00237	U
Heptachlor epoxide	~	~	0.00366	U	0.00326	U	0.00371	U	0.0035	U	0.00317	U	0.00351	U	0.00424	U	0.0033	U	0.00356	U	0.00337	U	0.00444	U
Endrin	0.014	11	0.000814	U	0.000724	U	0.000824	U	0.000777	U	0.000705	U	0.000779	U	0.000942	U	0.000732	U	0.000791	U	0.00075	U	0.000986	U
Endrin ketone	~	~	0.00195	U	0.00174	U	0.00198	U	0.00186	U	0.00169	U	0.00187	U	0.00226	U	0.00176	U	0.0019	U	0.0018	U	0.00237	U
Dieldrin	0.005	0.2	0.00122	U	0.00109	U	0.00124	U	0.00117	U	0.00106	U	0.00117	U	0.00141	U	0.0011	U	0.00119	U	0.00112	U	0.00148	U
4,4'-DDE	0.0033	8.9	0.00195	U	0.00158	J	0.00198	U	0.00186	U	0.00169	U	0.00187	U	**0.00689**		**0.00379**	PI	0.0019	U	**0.00501**		0.00237	U
4,4'-DDD	0.0033	13	0.00195	U	0.00174	U	0.00198	U	0.00186	U	0.00169	U	0.00187	U	0.00226	U	0.00119	J	0.0019	U	**0.00372**		0.00237	U
4,4'-DDT	0.0033	7.9	*0.00366*	U	**0.00363**	P	*0.00371*	U	*0.0035*	U	0.00202	J	**0.00486**		**0.0162**		**0.0114**		*0.00356*	U	**0.0429**		*0.00444*	U
Endosulfan I	2.4	24	0.00195	U	0.00174	U	0.00198	U	0.00186	U	0.00169	U	0.00187	U	0.00226	U	0.00176	U	0.0019	U	0.0018	U	0.00237	U
Endosulfan II	2.4	24	0.00195	U	0.00174		0.00198	U	0.00186	U	0.00169	U	0.00187	U	0.00226	U	0.00176	U	0.0019	U	0.0018	U	0.00237	U
Endosulfan sulfate	2.4	24	0.000814	U	0.000724	U	0.000824	U	0.000777	U	0.000705	U	0.000779	U	0.000942	U	0.000732	U	0.000791	U	0.00075	U	0.000986	U
Methoxychlor	~	~	0.00366	U	0.00326	U	0.00371	U	0.0035	U	0.00317	U	0.00351	U	0.00424	U	0.0033	U	0.00356	U	0.00337	U	0.00444	U
Toxaphene	~	~	0.0366	U	0.0326	U	0.0371	U	0.035	U	0.0317	U	0.0351	U	0.0424	U	0.033	U	0.0356	U	0.0337	U	0.0444	U
cis-Chlordane	0.094	4.2	0.00244	U	0.00252		0.00247	U	0.00233	U	0.00212	U	0.00234	U	0.0104		0.0118		0.00237	U	0.00225	U	0.00296	U
trans-Chlordane	~	~	0.00244	U	0.00211	J	0.00247	U	0.00233	U	0.00212	U	0.00234	U	0.00573	PI	0.00991	P	0.00237	U	0.00225	U	0.00296	U
Chlordane	~	~	0.0159	U	0.0282	PI	0.0161	U	0.0152	U	0.0137	U	0.0152	U	0.0318	PI	0.0699		0.0154	U	0.0146	U	0.0192	U
Polychlorinated Biphenyls (mg/kg)																								
Aroclor 1016	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1221	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1232	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1242	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1248	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1254	0.1	1	0.0406	U	0.0126	J	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1260	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1262	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0368	U	0.0479	U
Aroclor 1268	0.1	1	0.0406	U	0.0352	U	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0114	J	0.0479	U
PCBs, Total	~	~	0.0406	U	0.0126	J	0.0401	U	0.0377	U	0.0374	U	0.0378	U	0.0472	U	0.0368	U	0.041	U	0.0114	J	0.0479	U
Chlorinated Herbicides (mg/kg)																								
2,4-D	~	~	NT		NT		0.205	U	0.196	U	0.186	U	0.196	U	0.24	U	0.186	U	0.203	U	0.189	U	0.245	U
2,4,5-T	~	~	NT		NT		0.205	U	0.196	U	0.186	U	0.196	U	0.24	U	0.186	U	0.203	U	0.189	U	0.245	U
2,4,5-TP (Silvex)	3.8	100	NT		NT		0.205	U	0.196	U	0.186	U	0.196	U	0.24	U	0.186	U	0.203	U	0.189	U	0.245	U
General Chemistry																								
Solids, Total (%)	~	~	81.7		91.7		80.4		83.9		88.7		84.3		68.7		88.9		81.1		87.1		67.3	

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) and the NYSDEC Part 375 Restricted Residential Use SCOs.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
5. mg/kg = milligrams per kilogram.
6. DUP01_060215 is a duplicate of SB12_1-2.
7. bgs = below ground surface.

Qualifiers:
J = analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated.
U = analyte not detected at or above the level indicated.
P = the relative percentage difference between the results for the two instrument columns exceeds the method-specified criteria.
I = The lower value for the two instrument columns has been reported due to obvious interference.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 5
Delineation Soil Sample Results
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	USEPA RCRA TCLP	SB03_4.0-5.0 L1510263-01 4/28/2015		SB03C_6-7 L1512158-01 6/2/2015		SB03E_4-5 L1512158-02 6/2/2015		SB03N_4-5 L1512158-04 6/2/2015		SB03W_4-5 L1512158-05 6/2/2015		SB05_5-6 L1508860-05 4/28/2015	
Total Metals (mg/kg)															
Lead, Total	63	400	NA	**3100**		**87**		**76**		**140**		**67**		**1300**	
TCLP Metals by EPA 1311 (mg/L)															
Lead, TCLP	NA	NA	5	0.1	J	0.5	U	0.5	U	0.5	U	0.08	J	NT	

Client ID Lab Sample ID Sampling Date	NYSDEC PART 375 UNRESTRICTED USE SCO	NYSDEC PART 375 RESTRICTED RESIDENTIAL USE SCO	SB05_5-6 L1508860-05 4/28/2015	SB05C_7-8 L1512012-05 6/1/2015	SB05N_5-6 L1512012-06 6/1/2015	SB05E_5-6 L1512012-07 6/1/2015	SB05W_5-6 L1512012-08 6/1/2015
Total Metals (mg/kg)							
Copper, Total	50	270	**42000**	**57**	**170**	9.3	31

Notes:
1. Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), the NYSDEC Part 375 Restricted Residential Use SCOs and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - US Environmental Protection Agency (USEPA) Resource Conservation and recovery Act (RCRA) Maximum Concentration of Contaminants for the Toxicity Characteristic.
2. NYSDEC Part 375 Unrestricted Use SCO exceedances are **BOLD**.
3. NYSDEC Part 375 Restricted Residental Use SCO exceedances are **BOLD** and shaded.
4. TCLP = Toxicity Characteristic Leachng Procedure.
5. mg/kg = milligrams per kilogram.
6. mg/L = milligram per liter.
7. NA = not applicable.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 6A
Groundwater Sample Results
Volatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date	NYSDEC AWQS TOGS	MW01_060315 L1512315-01 6/3/2015		DUP01_060315 L1512315-08 6/3/2015		MW02_060315 L1512315-02 6/3/2015		MW03_060315 L1512315-03 6/3/2015		MW04_060315 L1512315-04 6/3/2015	
Volatile Organic Compounds (µg/L)											
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dibromomethane	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
1,2,3-Trichloropropane	0.04	*2.5*	U	*2.5*	U	*2.5*	U	*2.5*	U	*2.5*	U
Vinyl acetate	~	5	U	5	U	5	U	5	U	5	U
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	*2.5*	U	*2.5*	U	*2.5*	U	*2.5*	U	*2.5*	U
p-Isopropyltoluene	5	1.4	J	1.4	J	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	~	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	~	2	U	2	U	2	U	2	U	2	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	2	U
Ethyl ether	~	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,4-Dichloro-2-butene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	*2.5*	U	*2.5*	U	*2.5*	U	*2.5*	U	*2.5*	U
1,4-Dioxane	~	250	U	250	U	250	U	250	U	250	U
1,2-Dibromoethane	0.0006	*2*	U	*2*	U	*2*	U	*2*	U	*2*	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	*1*	U	*1*	U	*1*	U	*1*	U	*1*	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	*1.5*	U	*1.5*	U	*1.5*	U	*1.5*	U	*1.5*	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,3-Dichloropropene	0.4	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
cis-1,3-Dichloropropene	0.4	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) Class GA Standards.
2. NYSDEC TOGS AWQS exceedances are **BOLD** and shaded.
3. Non detected compounds with Reporting Limits (RL) above the NYSDEC AWQS TOGS standards are in italics.
4. (µg/L) = micrograms per liter.
5. DUP1_060315 is a duplicate of MW01.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 6A
Groundwater Sample Results
Volatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date	NYSDEC AWQS TOGS	MW01_060315 L1512315-01 6/3/2015		DUP01_060315 L1512315-08 6/3/2015		MW02_060315 L1512315-02 6/3/2015		MW03_060315 L1512315-03 6/3/2015		MW04_060315 L1512315-04 6/3/2015	
Volatile Organic Compounds (µg/L)											
Bromoform	50	2	U	2	U	2	U	2	U	2	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chloromethane	~	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromomethane	5	2.1	J	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Trichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U
Acetone	50	1.6	J	5	U	5	U	5	U	6.8	
Carbon disulfide	60	5	U	5	U	5	U	5	U	5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	~	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	*2.5*	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Tetrachloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Xylenes, Total	~	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) Class GA Standards.
2. NYSDEC TOGS AWQS exceedances are **BOLD** and shaded.
3. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
4. (µg/L) = micrograms per liter.
5. DUP1_060315 is a duplicate of MW01.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 6B
Groundwater Sample Results
Semivolatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date	NYSDEC AWQS TOGS	MW01_060315 L1512315-01 6/3/2015		DUP01_060315 L1512315-08 6/3/2015		MW02_060315 L1512315-02 6/3/2015		MW03_060315 L1512315-03 6/3/2015		MW04_060315 L1512315-04 6/3/2015	
Semivolatile Organic Compounds (µg/L)											
Acenaphthene	20	0.2	U	0.2	U	0.08	J	0.2	U	0.19	J
2-Chloronaphthalene	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Fluoranthene	50	0.14	J	0.07	J	0.2	U	0.2	U	0.59	
Naphthalene	10	0.2	U	0.2	U	0.2	U	0.2	U	0.39	
Chrysene	0.002	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.25**	
Acenaphthylene	~	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Anthracene	50	0.2	U	0.2	U	0.2	U	0.2	U	0.15	J
Benzo(ghi)perylene	~	0.2	U	0.2	U	0.2	U	0.2	U	0.15	J
Fluorene	50	0.2	U	0.2	U	0.2	U	0.2	U	0.11	J
Phenanthrene	50	0.15	J	0.09	J	0.2	U	0.2	U	0.62	
Pyrene	50	0.11	J	0.06	J	0.2	U	0.2	U	0.54	
2-Methylnaphthalene	~	0.2	U	0.2	U	0.2	U	0.2	U	0.31	
Hexachloroethane	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Benzo(a)anthracene	0.002	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.26**	
Benzo(a)pyrene	0	**0.09**	J	*0.2*	U	*0.2*	U	*0.2*	U	**0.28**	
Benzo(b)fluoranthene	0.002	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.3**	
Benzo(k)fluoranthene	0.002	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.12**	J
Dibenzo(a,h)anthracene	~	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Indeno(1,2,3-cd)Pyrene	0.002	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	**0.15**	J
Hexachlorobenzene	0.04	*0.8*	U	*0.8*	U	*0.8*	U	*0.8*	U	*0.8*	U
Pentachlorophenol	1	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Hexachlorobutadiene	0.5	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	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
4,6-Dinitro-o-cresol	~	10	U	10	U	10	U	10	U	10	U
Benzoic Acid	~	50	U	50	U	50	U	50	U	3.6	J
Benzyl Alcohol	~	2	U	2	U	2	U	2	U	2	U
3-Methylphenol/4-Methylphenol	~	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
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

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) Class GA Standards.
2. NYSDEC TOGS AWQS exceedances are **BOLD** and shaded.
3. Non detected compounds with Reporting Limits (RL) above the NYSDEC AWQS TOGS standards are in italics.
4. (µg/L) = micrograms per liter.
5. DUP1_060315 is a duplicate of MW01.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 6B
Groundwater Sample Results
Semivolatile Organic Compounds
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date	NYSDEC AWQS TOGS	MW01_060315 L1512315-01 6/3/2015		DUP01_060315 L1512315-08 6/3/2015		MW02_060315 L1512315-02 6/3/2015		MW03_060315 L1512315-03 6/3/2015		MW04_060315 L1512315-04 6/3/2015	
Semivolatile Organic Compounds (µg/L)											
4-Chlorophenyl phenyl ether	~	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-chloroethoxy)methane	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
Hexachlorocyclopentadiene	5	*20*	U	*20*	U	*20*	U	*20*	U	*20*	U
Isophorone	50	5	U	5	U	5	U	5	U	5	U
Nitrobenzene	0.4	*2*	U	*2*	U	*2*	U	*2*	U	*2*	U
NitrosoDiPhenylAmine(NDPA)/DPA	50	2	U	2	U	2	U	2	U	2	U
n-Nitrosodi-n-propylamine	~	5	U	5	U	5	U	5	U	5	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
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
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
4-Chloroaniline	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
2-Nitroaniline	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
3-Nitroaniline	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
4-Nitroaniline	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
Dibenzofuran	~	2	U	2	U	2	U	2	U	2	U
2,4,6-Trichlorophenol	~	5	U	5	U	5	U	5	U	5	U
P-Chloro-M-Cresol	~	2	U	2	U	2	U	2	U	2	U
2-Chlorophenol	~	2	U	2	U	2	U	2	U	2	U
2,4-Dichlorophenol	1	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
2,4-Dimethylphenol	50	5	U	5	U	5	U	5	U	5	U
2-Nitrophenol	~	10	U	10	U	10	U	10	U	10	U
4-Nitrophenol	~	10	U	10	U	10	U	10	U	10	U
2,4-Dinitrophenol	10	*20*	U	*20*	U	*20*	U	*20*	U	*20*	U
2-Methylphenol	~	5	U	5	U	5	U	5	U	5	U
2,4,5-Trichlorophenol	~	5	U	5	U	5	U	5	U	5	U
Carbazole	~	2	U	2	U	2	U	2	U	2	U
4-Bromophenyl phenyl ether	~	2	U	2	U	2	U	2	U	2	U
3,3'-Dichlorobenzidine	5	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U
Acetophenone	~	5	U	5	U	5	U	5	U	5	U
Biphenyl	5	2	U	2	U	2	U	2	U	2	U
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
Phenol	1	*5*	U	*5*	U	*5*	U	*5*	U	*5*	U

Notes:

1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) Class GA Standards.
2. NYSDEC TOGS AWQS exceedances are **BOLD** and shaded.
3. Non detected compounds with Reporting Limits (RL) above the NYSDEC Part 375 Unrestricted Use SCO standards are in italics.
4. (µg/L) = micrograms per liter.
5. DUP1_060315 is a duplicate of MW01.

Qualifiers:

J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.

U = analyte not detected at or above the level indicated.

~ = this indicates that no regulatory limit has been established for this analyte.

Table 6C
Groundwater Sample Results
Metals (Total and Dissolved)
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID	NYSDEC	MW01_060315		DUP01_060315		MW02_060315		MW03_060315		MW04_060315	
Lab Sample ID	AWQS	L1512315-01		L1512315-08		L1512315-02		L1512315-03		L1512315-04	
Sampling Date	TOGS	6/3/2015		6/3/2015		6/3/2015		6/3/2015		6/3/2015	
Total Metals (µg/L)											
Aluminum, Total	~	15		8	J	57		12000		2540	
Antimony, Total	3	1.4	J	1.6	J	0.3	J	3		1.1	J
Arsenic, Total	25	1		1		1.1		11.7		3.2	
Barium, Total	1000	164.9		158		249.3		381.7		319.8	
Beryllium, Total	3	0.5	U	0.5	U	0.5	U	0.9		0.5	U
Cadmium, Total	5	0.1	J	0.1	J	0.2	U	1		0.2	U
Calcium, Total	~	303000		266000		234000		232000		264000	
Chromium, Total	50	1.8	J	2.3		3.3		**73.8**		**55.2**	
Cobalt, Total	~	0.9	J	0.8	J	0.9	J	18.9		4.5	
Copper, Total	200	12.2		14		1.7	J	96.5		20.9	
Iron, Total	300	168		127		**431**		**25500**		**4870**	
Lead, Total	25	1.7		1.6		1.5		**451.5**		**57.6**	
Magnesium, Total	35000	**160000**		**147000**		**181000**		**102000**		**106000**	
Manganese, Total	300	292.6		298.3		**696.9**		**3318**		**1593**	
Mercury, Total	0.7	0.2	U	0.2	U	0.2	U	0.44		0.23	
Nickel, Total	100	4		3.9		4.6		67.4		45.2	
Potassium, Total	~	49000		43200		43200		49900		37600	
Selenium, Total	10	4	J	4	J	5	U	4	J	1	J
Silver, Total	50	0.1	J	0.1	J	0.1	J	6.4		0.2	J
Sodium, Total	20000	**670000**		**630000**		**534000**		**442000**		**466000**	
Thallium, Total	0.5	*0.5*	U	*0.5*	U	*0.5*	U	0.1	J	*0.5*	U
Vanadium, Total	~	1.9	J	1.6	J	2.7	J	36.4		6.9	
Zinc, Total	2000	16.5		13.9		56.3		293.3		52.4	
Dissolved Metals (µg/L)											
Aluminum, Dissolved	~	6	J	11		6	J	3	J	7	J
Antimony, Dissolved	3	2.8	J	2.3	J	0.2	J	0.8	J	1.2	J
Arsenic, Dissolved	25	1.6		1.1		0.8		1.5		1.7	
Barium, Dissolved	1000	166.2		156.5		251.2		192.6		318.8	
Beryllium, Dissolved	3	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Dissolved	5	0.2	J	0.1	J	0.2	U	0.1	J	0.2	U
Calcium, Dissolved	~	315000		281000		243000		185000		330000	
Chromium, Dissolved	50	47.8		2.6		2.4		1.4	J	2	J
Chromium, Hexavalent, Dissolved	50	10	U	10	U	10	U	10	U	10	U
Cobalt, Dissolved	~	1.8		0.8	J	0.4	J	7.2		1.5	
Copper, Dissolved	200	13.9		11.2		0.3	J	1.2	J	0.7	J
Iron, Dissolved	300	267		99		**362**		**8630**		**1590**	
Lead, Dissolved	25	0.9	J	0.8	J	1	U	1	U	0.3	J
Magnesium, Dissolved	35000	**157000**		**148000**		**179000**		**119000**		**120000**	
Manganese, Dissolved	300	**343.4**		294.9		**732.1**		**3861**		**1955**	
Mercury, Dissolved	0.7	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel, Dissolved	100	33.7		4.1		4.1		12.6		10.4	
Potassium, Dissolved	~	48200		44300		42700		49100		39100	
Selenium, Dissolved	10	3	J	4	J	5	U	1	J	5	U
Silver, Dissolved	50	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Dissolved	20000	**641000**		**616000**		**529000**		**477000**		**522000**	
Thallium, Dissolved	0.5	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U	*0.5*	U
Vanadium, Dissolved	~	2.3	J	1.7	J	2.6	J	2	J	3.5	J
Zinc, Dissolved	2000	18.2		17.9		10	U	38.7		17.1	

Notes:
1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) Class GA Standards.
2. NYSDEC TOGS AWQS exceedances are **BOLD** and shaded.
3. Non detected compounds with Reporting Limits (RL) above the NYSDEC AWQS TOGS standards are in italics.
4. (µg/L) = micrograms per liter.
5. DUP1_060315 is a duplicate of MW01.

Qualifiers:
J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.
U = analyte not detected at or above the level indicated.
~ = this indicates that no regulatory limit has been established for this analyte.

Table 6D
Groundwater Sample Results
PCBs and Pesticides
Remedial Investigation Report
440 Washington Street
New York, New York
Langan Project No. 170361501

Client ID Lab Sample ID Sampling Date	NYSDEC AWQS TOGS	MW01_060315 L1512315-01 6/3/2015		DUP01_060315 L1512315-08 6/3/2015		MW02_060315 L1512315-02 6/3/2015		MW03_060315 L1512315-03 6/3/2015		MW04_060315 L1512315-04 6/3/2015	
Polychlorinated Biphenyls (µg/L)											
Aroclor 1262	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1268	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
PCBs, Total	~	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1016	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1221	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1232	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1242	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1248	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1254	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Aroclor 1260	0.09	0.083	U	0.083	U	0.083	U	0.083	U	0.083	U
Organochlorine Pesticides (µg/L)											
Delta-BHC	0.04	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
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
Heptachlor	0.04	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
Aldrin	0	*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
Endrin	0	*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
Dieldrin	0.004	*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	0.011	J	0.04	U
4,4'-DDD	0.3	0.04	U	0.04	U	0.04	U	0.04	U	0.04	U
4,4'-DDT	0.2	0.009	J	0.009	J	0.04	U	0.047		0.008	J
Endosulfan I	~	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
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
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
cis-Chlordane	~	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
trans-Chlordane	~	0.008	J	0.02	U	0.02	U	0.017	J	0.02	U
Chlordane	0.05	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U	*0.2*	U

Notes:

1. Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) Class GA Standards.
2. NYSDEC TOGS AWQS exceedances are **BOLD** and shaded.
3. Non detected compounds with Reporting Limits (RL) above the NYSDEC AWQS TOGS standards are in italics.
4. (µg/L) = micrograms per liter.
5. DUP1_060315 is a duplicate of MW01.

Qualifiers:

J = estimated value. The Target analyte concentration is below the quantitation limit, but above the Method Detection Limit or Estimated Detection Limit for Solid-Phase Microextraction-related analyses. This represents an estimated concentration for Tentatively Identified Compounds.

U = analyte not detected at or above the level indicated.

~ = this indicates that no regulatory limit has been established for this analyte.

Table 7
Soil Vapor Sample Summary
Remedial Investigation Report
440 Washington Street
Manhattan, New York
Langan Project No. 170361501

Client ID	AA01-060315		SV01-060315		SV02-060315		SV03-060315		SV04-060315	
Sample Location	SV01		SV01		SV02		SV03		SV04	
Lab Sample ID	L1512324-05		L1512324-01		L1512324-02		L1512324-03		L1512324-04	
Sampling Date	6/3/2015		6/3/2015		6/3/2015		6/3/2015		6/3/2015	
Volatile Organic Compounds (µg/m^3)										
Dichlorodifluoromethane	2.75		2.24		2.42		1.71		1.4	
Chloromethane	1.06		**2.11**		**1.59**		**2.83**		1.01	
Freon-114	1.4	U	*2.8*	U	1.4	U	1.4	U	1.4	U
Vinyl chloride	0.511	U	*1.02*	U	0.511	U	0.511	U	0.511	U
1,3-Butadiene	0.442	U	*0.885*	U	0.442	U	0.442	U	0.442	U
Bromomethane	0.777	U	*1.55*	U	0.777	U	0.777	U	0.777	U
Chloroethane	0.528	U	*1.06*	U	0.528	U	0.528	U	0.528	U
Ethanol	17.1		**431**		**48.4**		**226**		**21.9**	
Vinyl bromide	0.874	U	*1.75*	U	0.874	U	0.874	U	0.874	U
Acetone	7.22		**129**		**228**		**170**		**173**	
Trichlorofluoromethane	1.45		*2.25*	U	**3.87**		**7.47**		**1.63**	
Isopropanol	1.52		**489**		**2.45**		**7.79**		**4.92**	
1,1-Dichloroethene	0.793	U	*1.59*	U	0.793	U	0.793	U	0.793	U
Tertiary butyl Alcohol	1.52	U	**5.21**		**79.7**		**43**		**63.1**	
Methylene chloride	7.57		7.05		**15.2**		1.74	U	6.91	
3-Chloropropene	0.626	U	*1.25*	U	0.626	U	0.626	U	0.626	U
Carbon disulfide	0.623	U	*1.25*	U	**23**		**1.11**		0.623	U
Freon-113	1.53	U	*3.07*	U	1.53	U	1.53	U	1.53	U
trans-1,2-Dichloroethene	0.793	U	*1.59*	U	0.793	U	0.793	U	0.793	U
1,1-Dichloroethane	0.809	U	*1.62*	U	0.809	U	0.809	U	0.809	U
Methyl tert butyl ether	0.721	U	*1.44*	U	0.721	U	0.721	U	0.721	U
2-Butanone	1.47	U	**12.5**		**14**		**5.54**		**13.2**	
cis-1,2-Dichloroethene	0.793	U	*1.59*	U	0.793	U	0.793	U	0.793	U
Ethyl Acetate	1.8	U	*3.6*	U	1.8	U	1.8	U	1.8	U
Chloroform	0.977	U	*1.95*	U	**32.8**		**4.71**		**33.7**	
Tetrahydrofuran	1.47	U	**3.07**		**1.73**		1.47	U	1.47	U
1,2-Dichloroethane	0.809	U	*1.62*	U	0.809	U	0.809	U	0.809	U
n-Hexane	0.705	U	**5.96**		**11.6**		**2.59**		**12.9**	
1,1,1-Trichloroethane	1.09	U	*2.18*	U	**1.64**		1.09	U	1.09	U
Benzene	0.639	U	**2.4**		**6.84**		**2.86**		**1.65**	
Carbon tetrachloride	1.26	U	*2.52*	U	1.26	U	1.26	U	1.26	U
Cyclohexane	0.688	U	**36.5**		**9.88**		**2.61**		**1.27**	
1,2-Dichloropropane	0.924	U	*1.85*	U	0.924	U	0.924	U	0.924	U
Bromodichloromethane	1.34	U	*2.68*	U	1.34	U	1.34	U	**3.31**	
1,4-Dioxane	0.721	U	*1.44*	U	0.721	U	0.721	U	0.721	U
Trichloroethene	1.07	U	*2.15*	U	1.07	U	1.07	U	1.07	U
2,2,4-Trimethylpentane	1.38		**13.1**		0.934	U	**2.85**		**6.21**	
Heptane	0.82	U	**4.59**		**8.61**		**2.74**		**10.2**	
cis-1,3-Dichloropropene	0.908	U	*1.82*	U	0.908	U	0.908	U	0.908	U
4-Methyl-2-pentanone	2.05	U	*4.1*	U	**7.95**		2.05	U	**9.67**	
trans-1,3-Dichloropropene	0.908	U	*1.82*	U	0.908	U	0.908	U	0.908	U
1,1,2-Trichloroethane	1.09	U	*2.18*	U	1.09	U	1.09	U	1.09	U
Toluene	1.7		**16.8**		**72**		**8.71**		**20.6**	
2-Hexanone	0.82	U	*1.64*	U	**1.29**		0.82	U	**3.01**	
Dibromochloromethane	1.7	U	*3.41*	U	1.7	U	1.7	U	1.7	U
1,2-Dibromoethane	1.54	U	*3.07*	U	1.54	U	1.54	U	1.54	U
Tetrachloroethene	1.36	U	*2.71*	U	**8.54**		**25.1**		**1.75**	
Chlorobenzene	0.921	U	*1.84*	U	0.921	U	0.921	U	0.921	U
Ethylbenzene	0.869	U	**5.47**		**12.9**		**1.45**		**10.7**	
p/m-Xylene	1.74	U	**20.1**		**53**		**5.13**		**46.9**	
Bromoform	2.07	U	*4.14*	U	2.07	U	2.07	U	2.07	U
Styrene	0.852	U	*1.7*	U	**23.8**		**2.84**		**22.1**	
1,1,2,2-Tetrachloroethane	1.37	U	*2.75*	U	1.37	U	1.37	U	1.37	U
o-Xylene	0.869	U	**7.95**		**21.7**		**2.08**		**25.6**	
4-Ethyltoluene	0.983	U	*1.97*	U	**6.39**		0.983	U	**9.93**	
1,3,5-Trimethylbenzene	0.983	U	**2.29**		**9.54**		0.983	U	**21.3**	
1,2,4-Trimethylbenzene	0.983	U	**7.72**		**29.9**		**2.07**		**59**	
Benzyl chloride	1.04	U	*2.07*	U	1.04	U	1.04	U	1.04	U
1,3-Dichlorobenzene	1.2	U	**19.8**		**2.37**		**2.93**		1.2	U
1,4-Dichlorobenzene	1.2	U	*2.4*	U	1.2	U	1.2	U	1.2	U
1,2-Dichlorobenzene	1.2	U	*2.4*	U	1.2	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	1.48	U	*2.97*	U	1.48	U	1.48	U	1.48	U
Hexachlorobutadiene	2.13	U	*4.27*	U	2.13	U	2.13	U	2.13	U

Notes:

1. Soil vapor sample analytical results are compared to AA_060315.
2. Concentrations of compounds exceeding the concentrations found in the ambient sample are **BOLD**.
3. Non detected compounds with Reporting Limits (RL) above the ambient sample are in italics.
4. (µg/m^3) = micrograms per cubic meter.

Qualifiers:

U = analyte not detected at or above the level indicated.

Appendix A

Proposed Development Plans

PONTE RESIDENCES

440 WASHINGTON STREET, NEW YORK, NY 10013

DRAWING LIST		
DWG #	DRAWING NAME	ISSUE DATE
T-001.00	COVER SHEET	04/10/15
A-110.00	CELLAR PLAN	04/10/15
A-111.00	GROUND FLOOR PLAN	04/10/15
A-112.00	2ND FLOOR PLAN	04/10/15
A-113.00	TYPICAL FLOOR PLAN (3RD-8TH)	04/10/15
A-114.00	9TH FLOOR PLAN	04/10/15
A-115.00	10TH FLOOR PLAN	04/10/15
A-116.00	ROOF PLAN	04/10/15
A-200.00	EAST ELEVATION - WASHINGTON STREET	04/10/15
A-201.00	NORTH ELEVATION - DESBROSSES STREET	04/10/15

PONTE RESIDENCES

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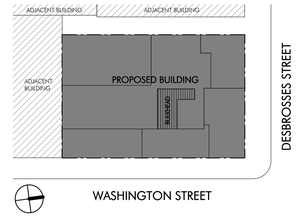
PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

COVER SHEET

ARCHITECT:

OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t 212.675.6470 f 212.675.6728

SEAL & SIGNATURE:

DRAWING #:

T-001.00

DATE:
04-10-15

JOB #:
14J15

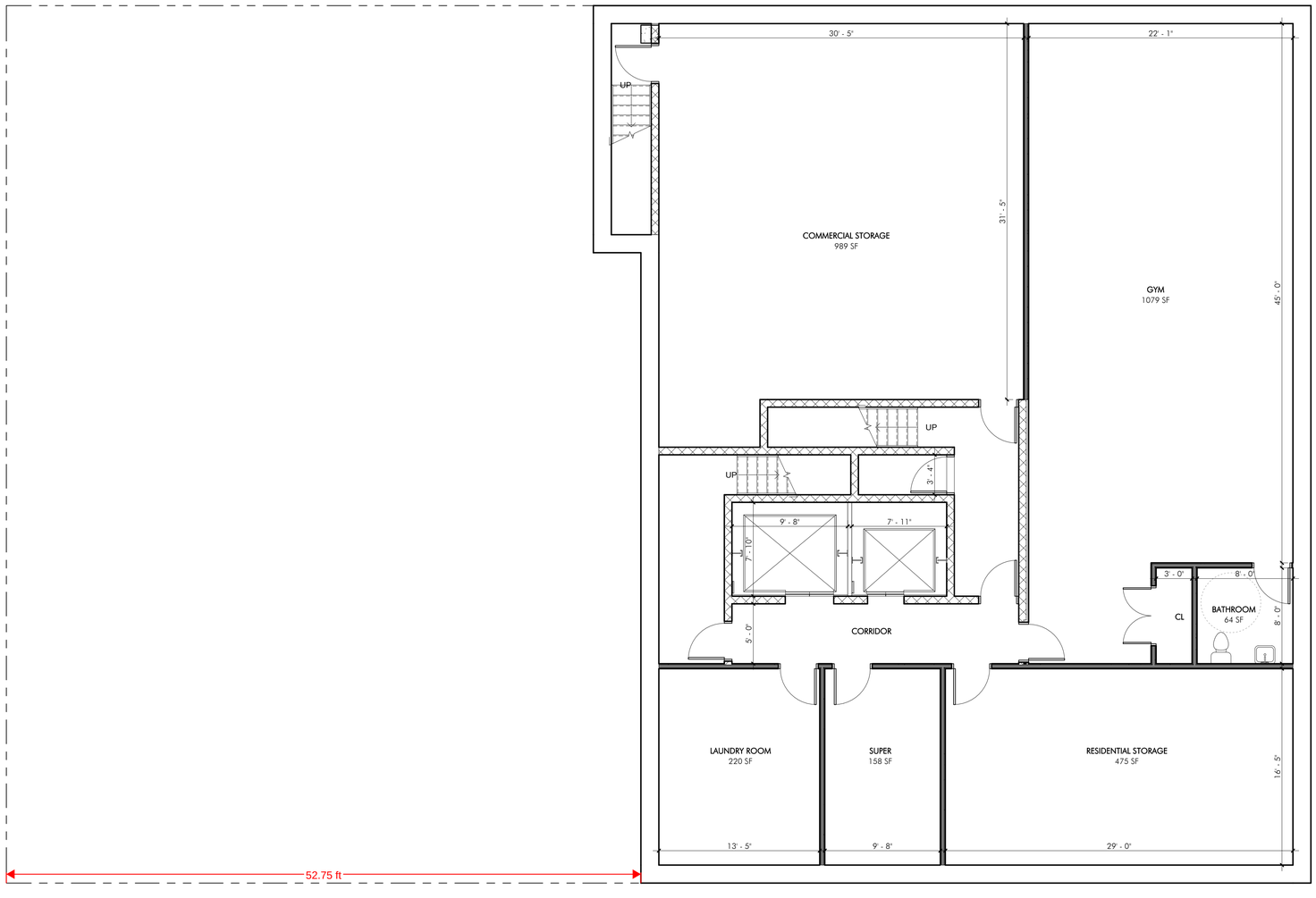
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 12:06:55 PM



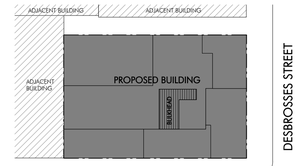
1 Cellar 3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

CELLAR PLAN

ARCHITECT:
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ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T 212.675.6470 F 212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-110.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

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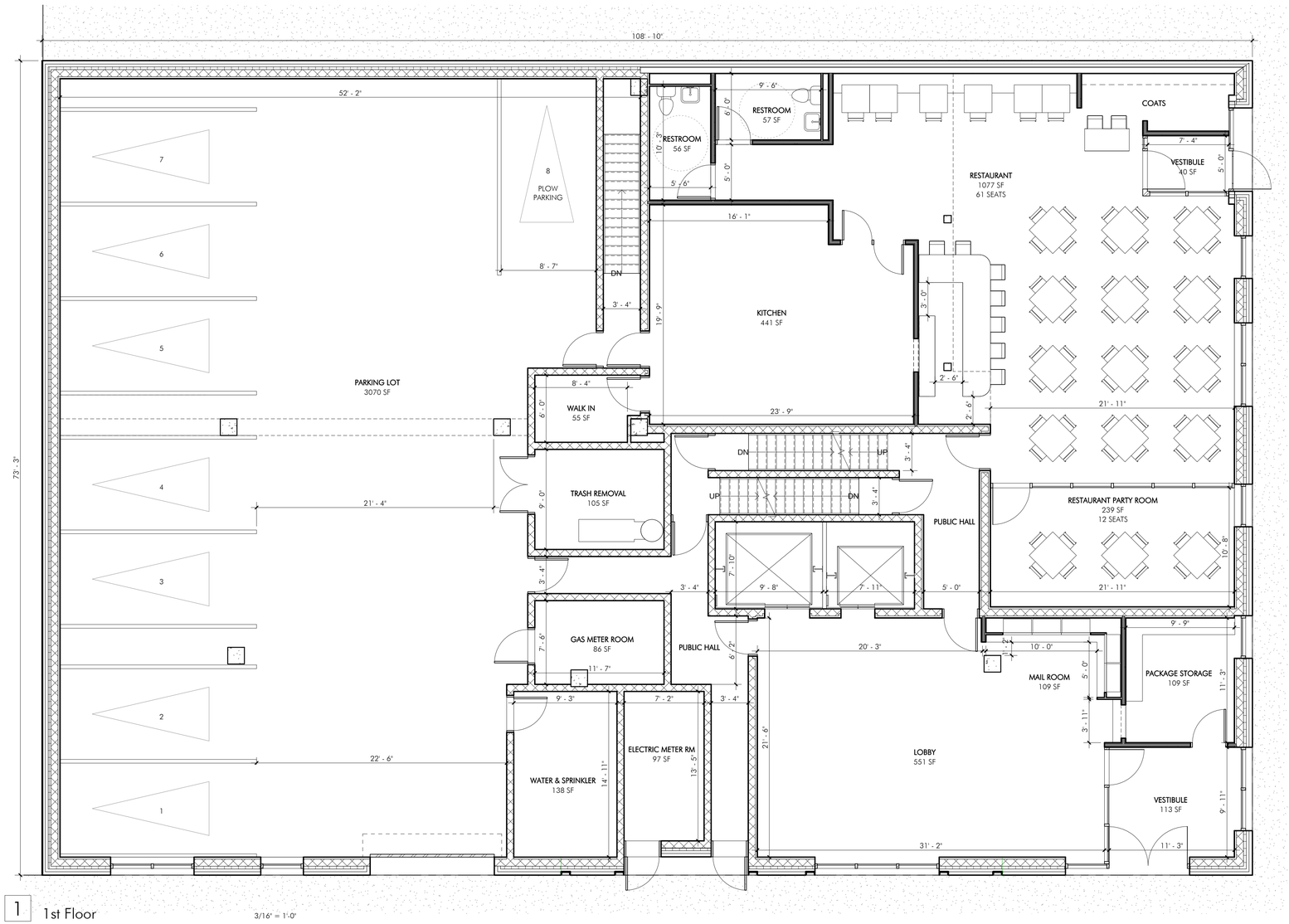


1 1st Floor

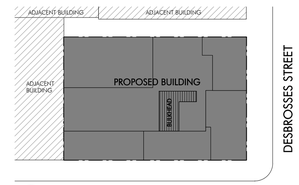
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

GROUND FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-111.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

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FOR DOB USE ONLY

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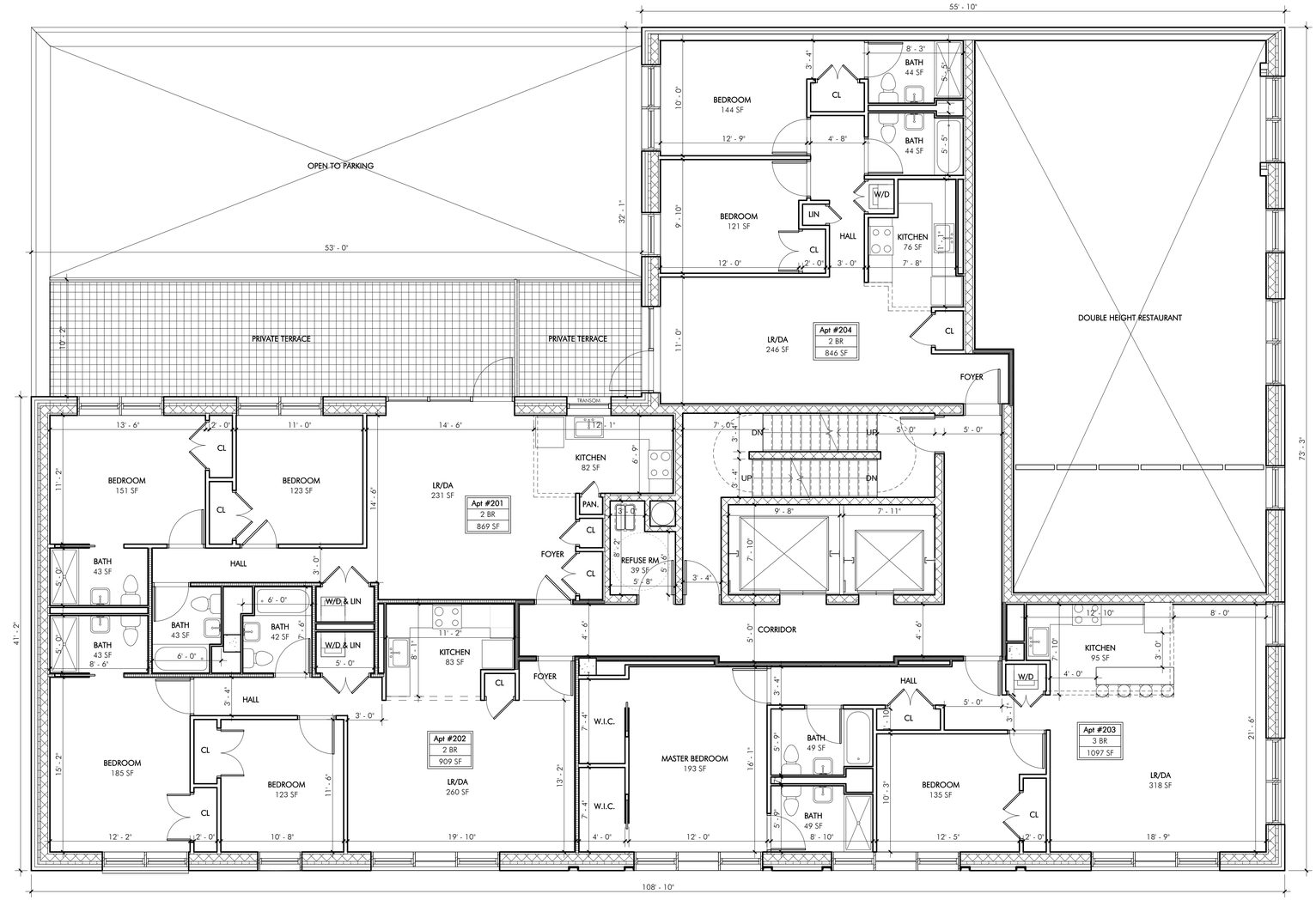


1 2nd Floor

3/16" = 1'-0"

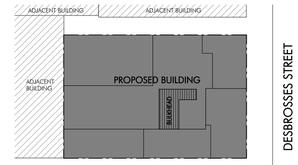
APARTMENT DISTRIBUTION	
# BEDROOMS	COUNT
2nd Floor	
2 BR	3
3 BR	1
3rd Floor	
1 BR	1
2 BR	5
4th Floor	
1 BR	1
2 BR	5
5th Floor	
1 BR	1
2 BR	5
6th Floor	
1 BR	1
2 BR	5
7th Floor	
1 BR	1
2 BR	5
8th Floor	
1 BR	1
2 BR	5
9th Floor	
1 BR	1
2 BR	2
3 BR	1
10th Floor	
2 BR	1
	45

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES

268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

2ND FLOOR PLAN

ARCHITECT:

OCV

OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:

A-112.00

DATE:
04-10-15

JOB #:
14J15

DRAWN BY:
SP

BIS #:

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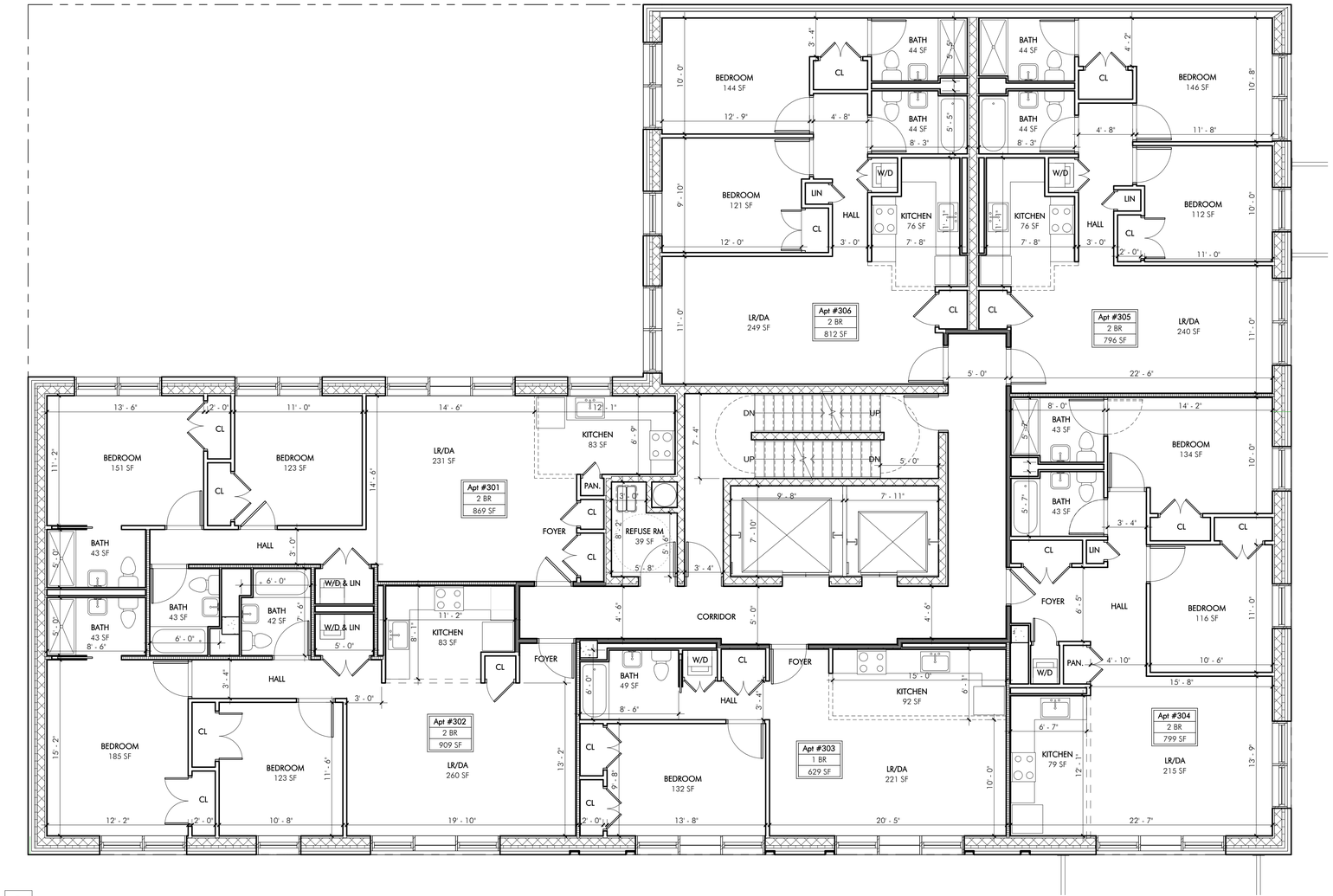
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 11:53:15 AM



1 Level 3-8

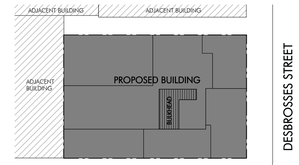
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

TYPICAL FLOOR PLAN (3RD-8TH)

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-113.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

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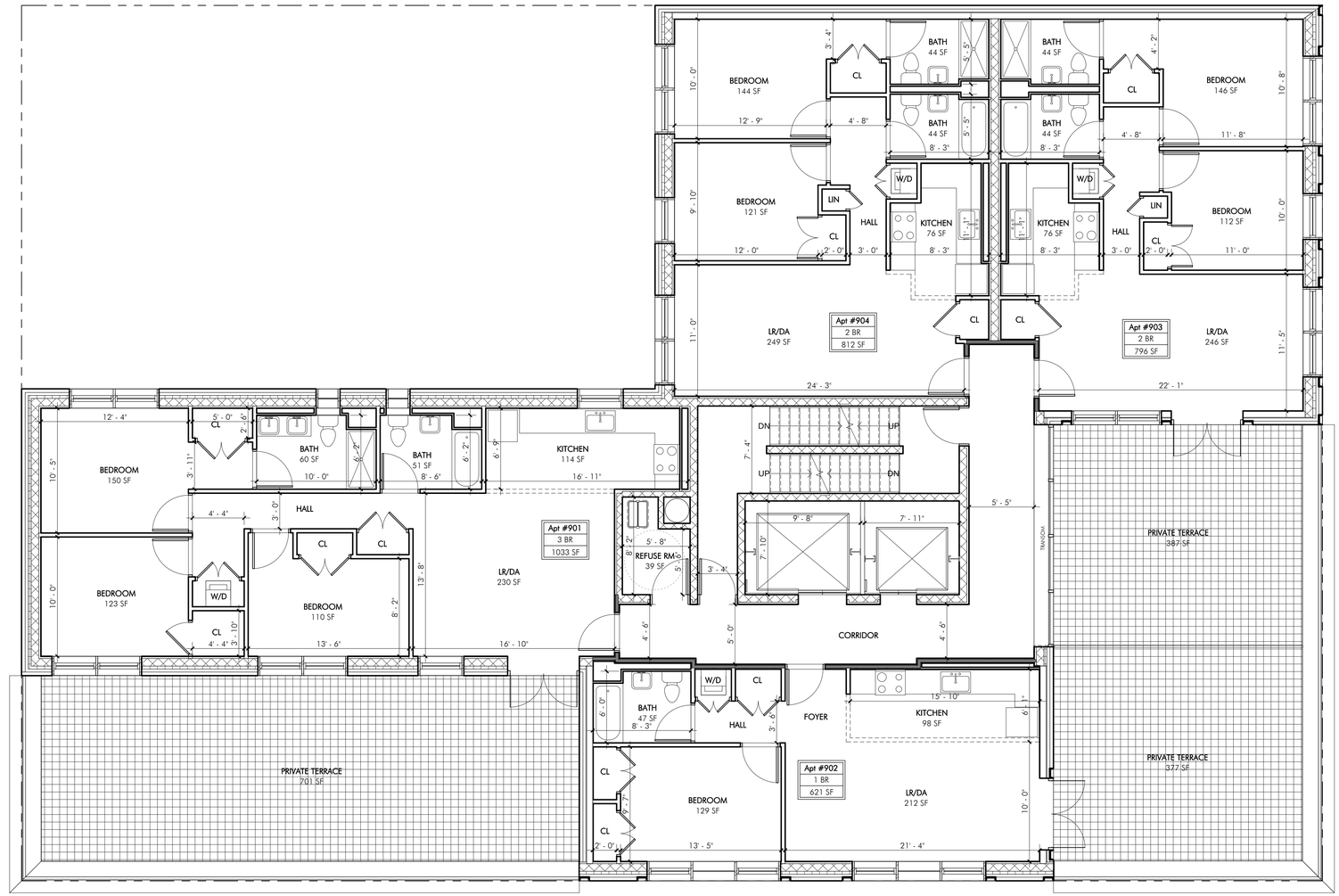
FOR DOB USE ONLY

4/10/2015 11:53:17 AM



1 9th Floor

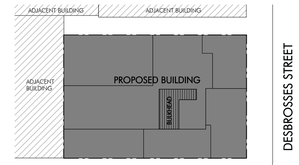
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

9TH FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T.212.675.6470 F.212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-114.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

0 1"
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FOR DOB USE ONLY

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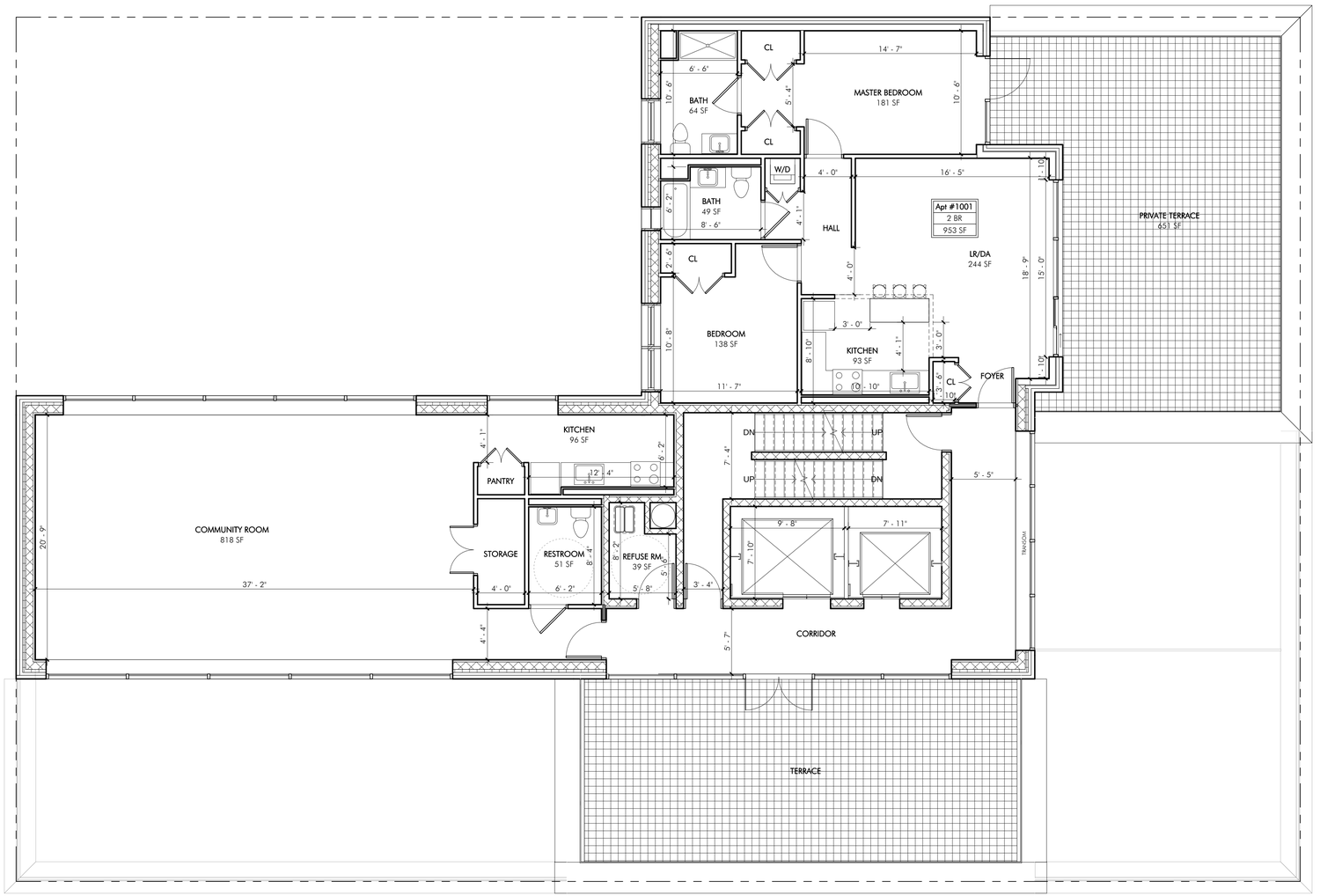


1 10th Floor

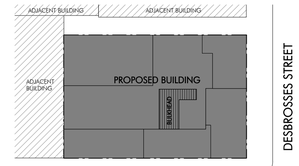
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

10TH FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
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203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t:212.675.6470 f:212.675.6728

SEAL & SIGNATURE:

DRAWING #:
A-115.00

DATE:
04-10-15

JOB #:
14J15

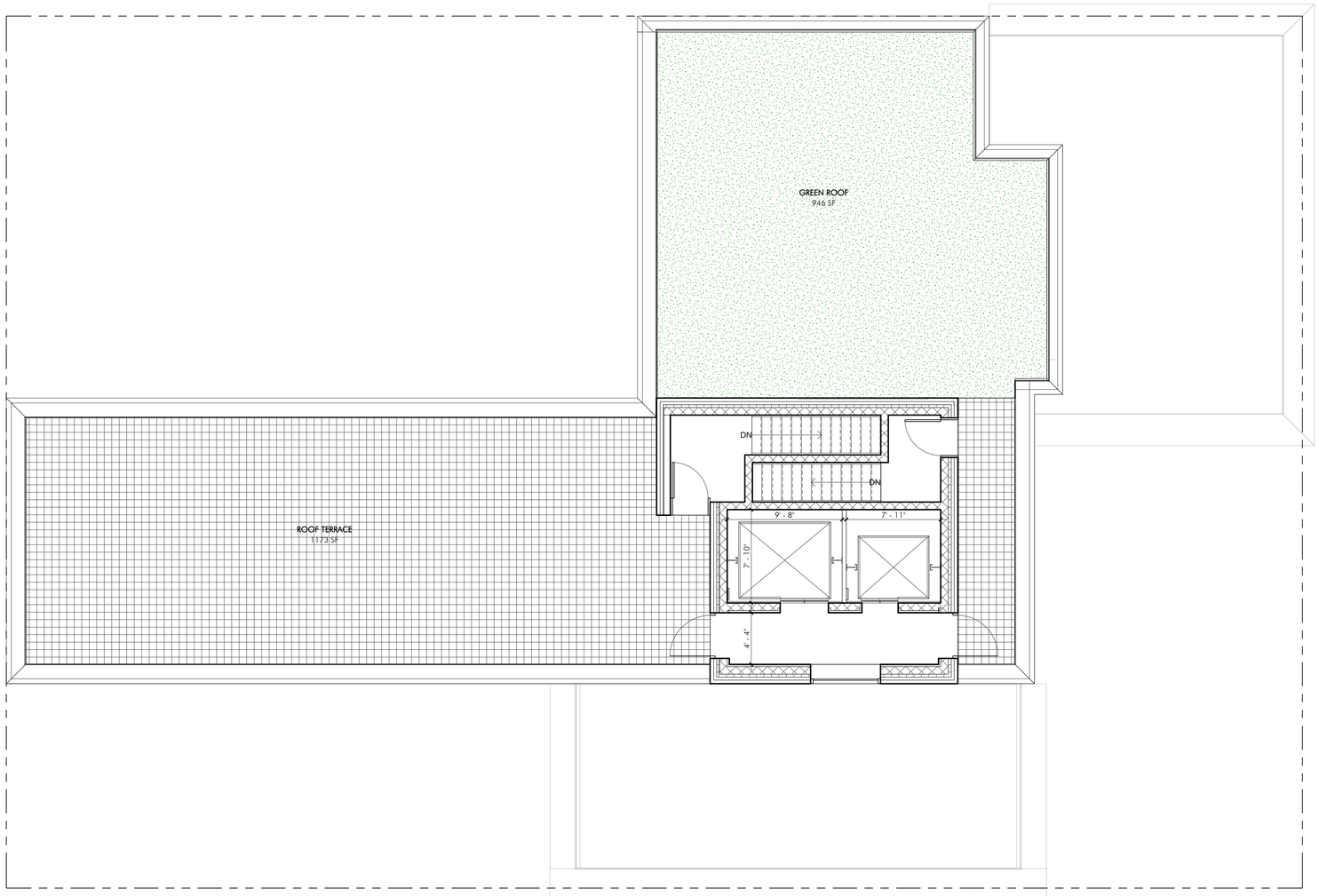
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 11:53:20 AM



1 Roof

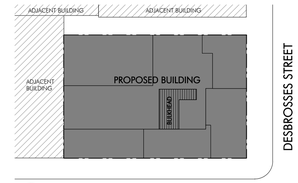
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

ROOF PLAN

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:

A-116.00

DATE:
04-10-15

JOB #:
14J15

DRAWN BY:
SP

BIS #:

0 1"
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FOR DOB USE ONLY

4/10/2015 11:53:22 AM

1 WASHINGTON STREET 3/16" = 1'-0"

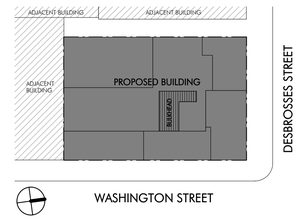
FOR DOB USE ONLY

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

EAST ELEVATION - WASHINGTON STREET

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t:212.675.6470 f:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-200.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

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4/10/2015 12:14:18 PM

1 DESBROSSES STREET

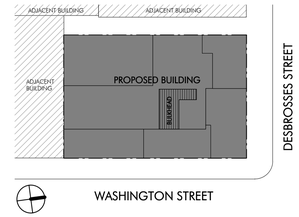
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

NORTH ELEVATION - DESBROSSES STREET

ARCHITECT:

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ARCHITECTS
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NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-201.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

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FOR DOB USE ONLY

4/10/2015 12:16:38 PM

Appendix B

Geophysical Engineering Survey Report

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Property

440 Washington Street
New York, New York 10013

NOVA PROJECT NUMBER
15-0616

DATED
May 7, 2015

PREPARED FOR:

LANGAN
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001

PREPARED BY:

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

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

May 7, 2015

Daniel Carrus, PE, LEED AP
Senior Staff Engineer
LANGAN
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001
Direct: 212.479.5482

Re: Geophysical Engineering Survey (GES) Report
Commercial Property
440 Washington Street
New York, New York 10013

Dear Mr. Carrus:

Nova Geophysical Services (NOVA) is pleased to provide findings of the geophysical engineering survey (GES) at the above referenced project site: Commercial Property, 440 Washington Street, New York, New York (the "Site"). Please see attached Site Location and Geophysical Survey maps for more details.

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a Geophysical engineering surveys (GES) consisting of a Ground Penetrating Radar (GPR) survey at the site. The purpose of this survey is to locate and identify USTs, anomalies, utilities and other substructures and to clear and mark proposed environmental boring areas on April 28, 2015.

The equipment selected for this investigation was Noggin's 250 MHz ground penetrating radar (GPR) shielded antenna.

A GPR system consists of a radar control unit, control cable and a 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 pulses 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.

GEOPHYSICAL METHODS

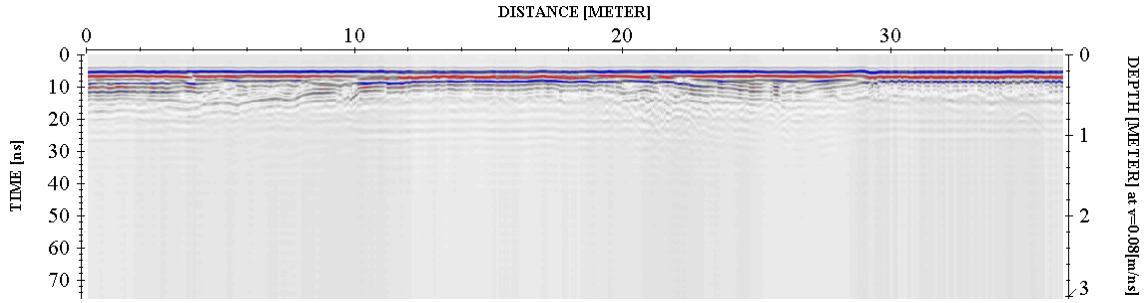
The project site was screened using the GPR to search the areas of interest and inspected for reflections, which could be indicative of major anomalies and substructures. Specific borehole locations were screened in a smaller grid prior to finalizing placement.

GPR data profiles were collected for the areas of the Site specified by the client. The surveyed areas consisted of concrete surfaces.

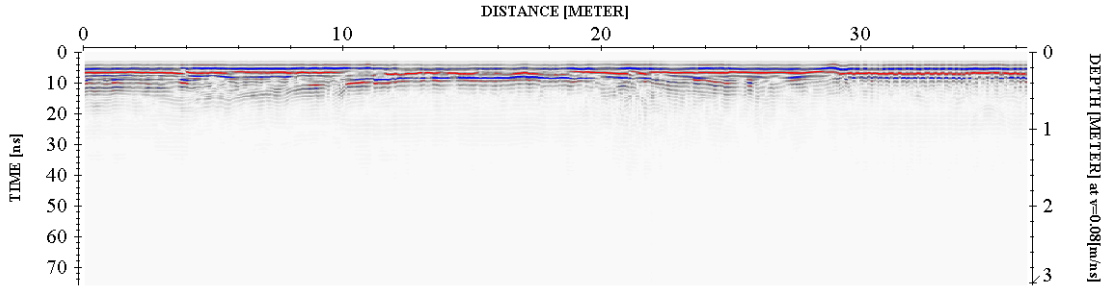
DATA PROCESSING

In order to improve the quality of the results and to better identify subsurface anomalies NOVA processed the collected data. The processes flow is briefly described at this section.

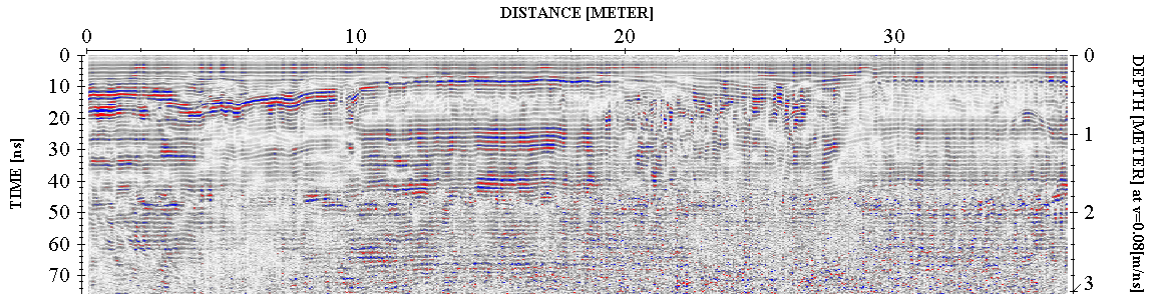
Step 1. Import raw RAMAC data to standard processing format



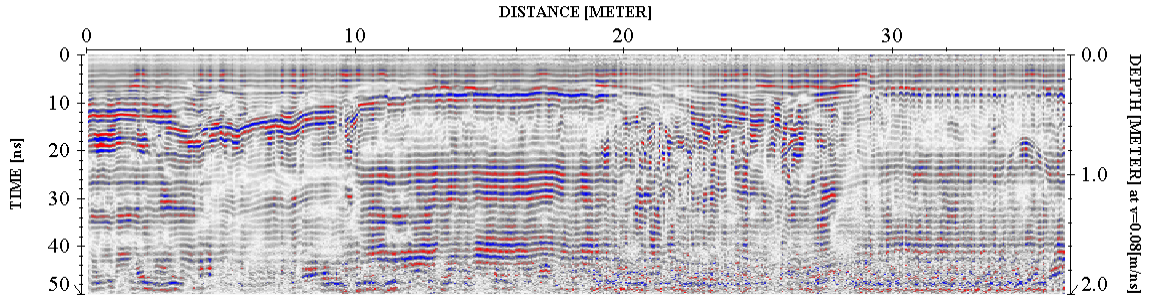
Step 2. Remove instrument noise *(dewow)*



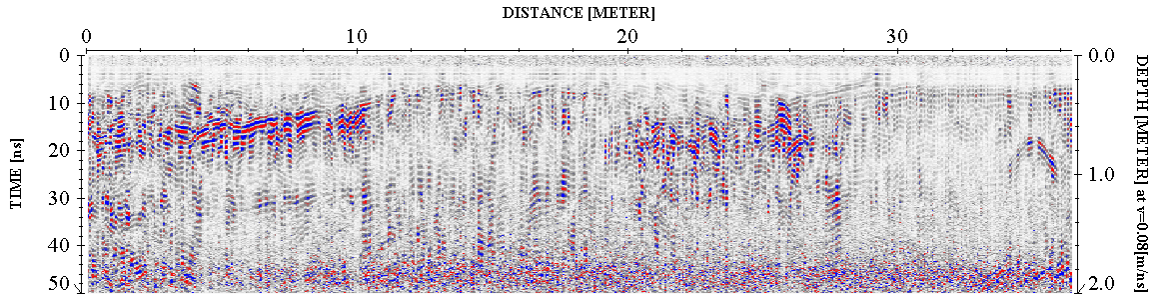
Step 3. Correct for attenuation losses *(energy decay function)*



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 describes the subsurface anomalies more accurately.

PHYSICAL SETTINGS

Nova observed following physical conditions at the time of the survey:

The weather: Sunny

Temp: 45 Degrees (F).

Surface: Concrete surfaces

Geophysical Noise Level (GNL): Geophysical Noise Level (GNL) was medium to high at the site. The noise was a result of the site being located in an urban environment.

RESULTS

The results of the geophysical engineering survey (GES) identified following at the project Site:

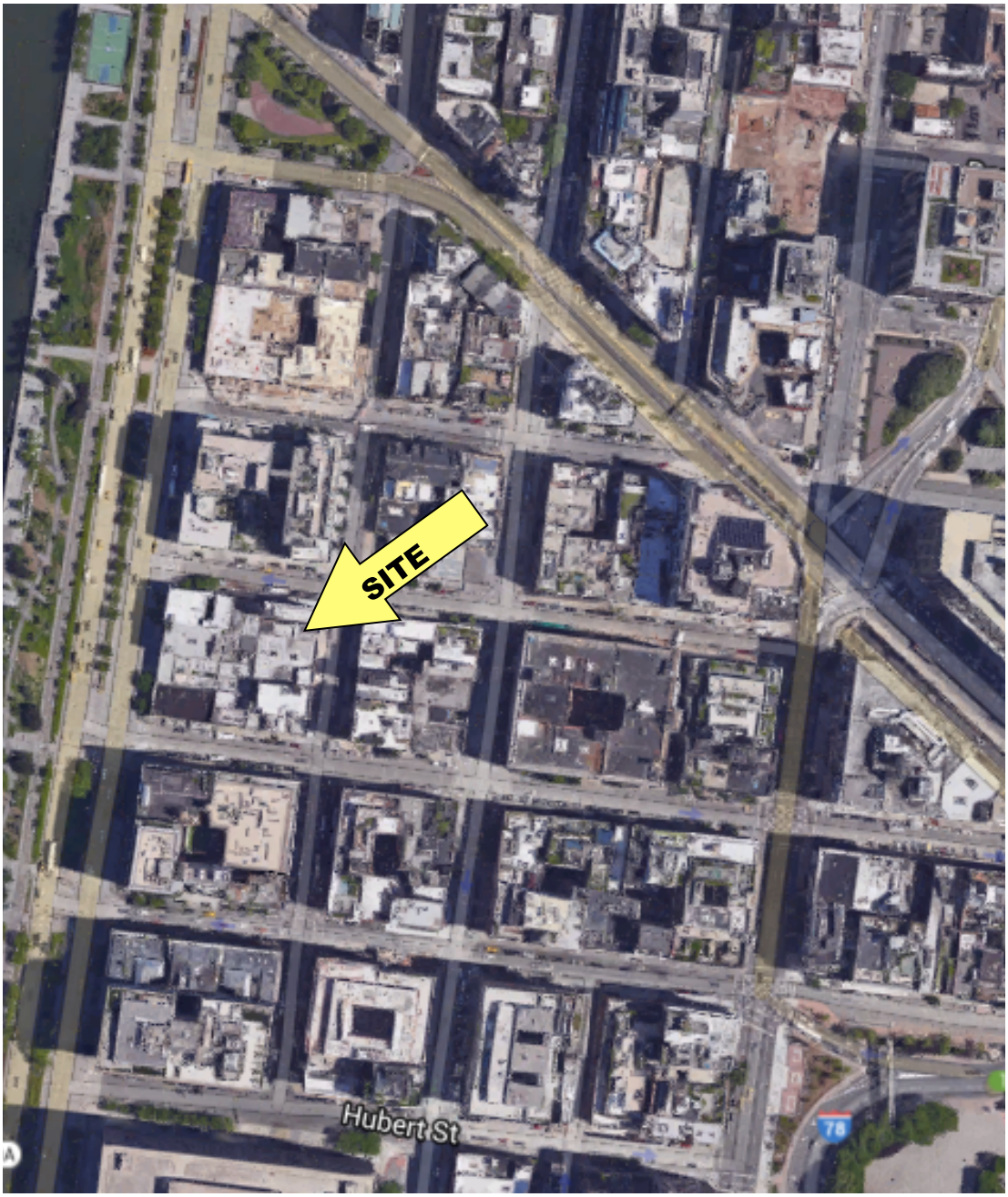
- GES survey identified scattered anomalies located throughout the project site. Based on their rates and proximity, these anomalies were inconsistent with any USTs. These areas were indicated on the on-site markout.
- Several utilities (sewer, gas and electrical) were located on the site. These utilities were indicated on the survey map.
- Geophysical Survey Plan portrays the areas investigated during the geophysical survey.

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:
Figure 1 Site Location Map
Geophysical Survey Plan
Geophysical Images



N

200 ft.

FIGURE 1
SITE LOCATION MAP

NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Pkwy, # 765, Douglaston, NY11362
(347) 556-7787 Fax (718) 261-1528
www.nova-gsi.com

SITE: **Commercial Property**
440 Washington Street
New York, New York 10013

SCALE: See Map

1- All anomalies were marked in the field.

NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, PO Box 765
Douglaston, New York11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.nova-gsi.com

GEOPHYSICAL SURVEY PLAN

SITE : **Commercial Property**
440 Washington Street
New York, New York 10013

CLIENT: **LANGAN**
DATE: April 28, 2015
Scale See Map

INFORMATION

- **Survey Area**
- **Gas Line**
- **Sewer Line**
- **Electrical Line**

25 ft.

GEOPHYSICAL IMAGES

Commercial Property
440 Washington Street
New York, New York 10013
April 28th, 2015

GEOPHYSICAL IMAGES

Commercial Property
440 Washington Street
New York, New York 10013
April 28th, 2015

Appendix C

Remedial Investigation Work Plan

REMEDIAL INVESTIGATION WORK PLAN (SHORT FORM)

440 Washington Street
New York, NY 10013
Block 223, Lots 13 and 15
CEQR # 06DCP067M

Prepared For:

270 West Street, LLC
268 West Street, 5th Floor
New York, NY 10013

Prepared By:

Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001

LANGAN

May 27, 2015
170361501

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

This Remedial Investigation Work Plan has been developed for the property located at 440 Washington Street in the Tribeca neighborhood of New York, New York (see Figure 1). The following work scope has been developed based on the findings of Langan's May 2015 preliminary due diligence review and limited subsurface investigation, the May 11, 2015 meeting with the New York City Office of Environmental Remediation (OER), and the proposed development project.

2.0 SITE LOCATION, CURRENT USE, AND PROPOSED DEVELOPMENT PLAN

The site is located in the Tribeca neighborhood of Manhattan and is identified as Block 223, and portions of Lots 13 and 15. The site structures were recently demolished, and the site is currently used to stage construction equipment and materials for the adjacent 268 West Street development. The proposed development project consists of an 11-story, mixed-used commercial and residential building with a partial cellar, ground level parking, and restaurant space. A portion of the ground-level parking will be open space, with the remainder constructed below the southeastern residential units. The proposed development plans are included in Appendix A.

Groundwater was encountered at depths ranging from 8 to 12 feet below grade surface (bgs) during the April 2015 limited subsurface investigation performed by Langan.

3.0 PRELIMINARY DUE DILIGENCE REVIEW

3.1 Review of Historical and Regulatory Documentation

Langan performed a review of the following document sources to identify current and historical activities and conditions that may have adversely impacted the subsurface at the site:

- Environmental Data Resources, Inc. (EDR) environmental database report[1];
- Historical geological maps;
- Sanborn Fire Insurance Maps (Sanborn Maps);
- City directories;

[1] A review of environmental databases maintained by federal, state, and local agencies within the approximate minimum search distance.

- New York City Department of Buildings (DOB) records;
- New York State Department of Environmental Conservation (DEC) Petroleum Bulk Storage (PBS) database; and
- NYSDEC Spills Incidents database.

Copies of the documentation reviewed are provided as Appendix B.

3.1.1 Site Use History and Database Findings

Below is a list of historical site uses obtained from the documents reviewed:

Lot 13

- A mahogany and veneer yard, a residence, store, and office (1894-1905)
- A chemical works (1920)
- A drug company (1927)
- A dowel company (1927)
- A chemical manufacturer and a wood products warehouse (1950-1977)
- A garage and a five-story residential building (1968-2005)

Lot 15

- A mahogany and veneer yard (1894-1905)
- A garage with two gasoline tanks (1950-1968)
- A building of unidentified use (1976-2005)
- A parking company (2013)

According to the DOB records review, Lot 15 has a Department of Finance classification of G1 – GARAGE / GAS STATION. The January 10, 1969 Certificate of Occupancy for Lot 15 listed the building as a two-story building with a cellar. Use of the first floor is indicated as storage of commercial motor vehicles with accessory motor fuel pumps and truck terminal, and offices on the mezzanine and second floor. The site was not listed in either the DEC PBS or the DEC Spills Incidents database; however, the site was listed in the Historical Auto Stations database as Automotive Service Systems Inc. in 2009.

3.1.2 Preliminary Due Diligence Review Findings

Based on the regulatory and historical documentation review, the following potential environmental conditions were identified:

Historical Use of the Subject Property

Historical site uses include those listed in Section 3.1.1. Leaks or spills of petroleum products, solvents, and/or other hazardous materials resulting from these uses may have adversely impacted soil, groundwater and/or soil vapor beneath the site.

Historical Fill

According to historical geologic maps, the original shoreline of the Hudson River extended further eastward, beyond the site. The shoreline moved westward in the 1800s using imported fill material. Fill imported to the site is of unknown origin and may contain hazardous materials.

Current and Historical Uses of Adjoining and Surrounding Properties

Historical uses of adjoining and surrounding properties include a copper works (1894), woodworking operations (1894 to 1905), a painting facility (1905), laboratories (1920), scrap metal facilities (1927), a motor freight station with gasoline tanks (1950 to 2005), a parking garage with gasoline tanks (1950 to 2005), and auto repair facilities with hydraulic lift systems (1968 to 2005). Leaks or spills of petroleum products, solvents, and/or hazardous materials resulting from these uses may have adversely impacted groundwater and/or soil vapor beneath the site.

3.2 Preliminary Subsurface Investigation

Langan completed a preliminary subsurface investigation on April 28, 2015, which consisted of a geophysical survey, installation of nine soil borings and collection of twelve soil samples. Boring locations are shown on Figure 2. Sample analysis found semivolatile organic compounds (SVOCs) and metals at concentrations exceeding their 6 New York Codes Rules and Regulations (NYCRR) Part 375 Restricted Use, Restricted Residential criteria. The geophysical survey did not confirm the presence of underground storage tanks (UST) at the site. Details and findings from this investigation will be incorporated into the forthcoming Remedial Investigation Report (RIR).

4.0 REMEDIAL INVESTIGATION WORK SCOPE

A remedial investigation is required to satisfy the Hazardous Materials Restrictive Declaration, and will include the collection and analysis of soil, groundwater and soil vapor samples.

4.1 Geophysical Survey

No additional geophysical work will be performed. A geophysical survey was completed by NOVA Geophysical & Environmental, Inc. (NOVA) on April 28, 2015 as part of the preliminary subsurface investigation. A copy of NOVA's geophysical survey report and findings will be included in the forthcoming RIR.

4.2 Soil, Groundwater, and Soil Vapor Sampling Summary

An investigation of soil, groundwater, and soil vapor is proposed to characterize the site for potential environmental impacts from historical on- and off-site uses. The proposed sampling event will: 1) address environmental concerns identified in Langan's May 2015 preliminary due diligence review and limited subsurface investigation; 2) characterize historical fill; and 3) provide general horizontal/vertical characterization across the site for development purposes. The sampling procedures of this investigation will be performed in accordance with the NYSDEC Technical Guidance for Site Investigation and Division of Environmental Remediation (DER-10).

A total of four soil borings and eight delineation borings will be completed, from which up to 18 soil samples will be collected. All four soil borings will be converted into permanent monitoring wells, which will be screened to straddle the groundwater table interface located at about 12 feet bgs. One groundwater sample will be collected from each well. Four delineation borings each will be advanced in the vicinity of SB03 and SB05, to delineate the horizontal and vertical extents of lead and copper hotspots, respectively, identified during the preliminary subsurface investigation. Four soil vapor samples will be collected from four separate soil vapor points.

Each sample point location will be measured to fixed benchmarks (i.e., select properly lines, adjacent structures, etc.). Proposed sample locations are presented on Figure 2. Conditions in the field may require adjustment of sampling locations.

4.2.1 Soil Sampling

Four soil borings, SB10 through SB13, will be advanced throughout the site during the remedial investigation. Typical direct-push drilling equipment will be used to advance the borings. A geologist, scientist, engineer, or qualified environmental professional (QEP) will screen the soil during borehole advancement for organic vapors with a photoionization detector (PID) and evaluate soil for visual and olfactory impacts prior to collecting environmental samples. Field observations will be recorded in a field log.

Up to two soil samples will be collected from each soil boring for laboratory analysis. For borings located within the cellar footprint of the proposed building (SB-12, SB-13), samples will be collected from 1) the upper two feet of soil beneath the existing concrete cover, and 2) the interval just below the proposed development depth, which is about 10 to 12 feet bgs. For borings located within the proposed on-grade construction (SB-10, SB-11), samples will be collected from 1) the upper two feet of soil, and 2) from the interval directly above the groundwater table. If contamination is observed in any borings, a third sample will be collected from the depth interval exhibiting the greatest degree of contamination based on visual, olfactory and instrumental (i.e. PID) evidence.

During the preliminary subsurface investigation, a lead hotspot was encountered at the location of soil boring SB03, at a depth of four to five feet bgs, and a copper hotspot was encountered at the location of soil boring SB05 at a depth of five to six feet bgs. To delineate each hotspot area, a total of four soil samples will be collected from each area. Hotspot areas will be delineated vertically by collecting one sample at the original boring location, from a depth of about two to three feet below the original sample interval. Hotspot areas will be delineated horizontally by advancing a delineation boring about five feet to the north, southeast, and southwest of the original boring locations and collecting a sample at the corresponding depth interval.

4.2.2 Groundwater Sampling

Soil borings SB10 through SB13 will be converted into 1 or 2-inch diameter permanent groundwater monitoring wells and will be screened to straddle the groundwater table. Properly sized screen and silica sand pack will be used for noted site conditions. A representative groundwater sample will be collected from each well with a peristaltic pump and dedicated tubing using low-flow sampling techniques. Sampling will be conducted in accordance with

NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and Sampling Guidelines and Protocols, dated March 1991. Groundwater wells will be gauged with a water level meter to record a depth to groundwater reading (1/100 foot), and an interface meter to determine the thickness of light or dense non-aqueous phase liquid (LNAPL or DNAPL), if observed. The well casings will be surveyed by a trained QEP and/or NYS licensed surveyor to facilitate preparation of a groundwater contour map and determine the direction of groundwater flow.

4.2.3 Soil Vapor Sampling

Four soil vapor sampling points will be installed using direct-push drilling. Samples of soil vapor will be collected in accordance with the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006. Samples will be collected at approximately 5 feet bgs, roughly 3 feet above the water table.

Samples will be collected in appropriate sized Summa canisters that have been batch-certified clean by the laboratory. Samples will be analyzed by using USEPA Method TO-15. One to three implant volumes shall be purged prior to the collection of any soil gas samples. Flow rate for both purging and sampling will not exceed 0.2 liters per minute (L/min). A sample log sheet will be maintained that will include: sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, and apparent moisture content of the sampling zone.

As part of the vapor intrusion evaluation, a tracer gas will be used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) measure to check the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) will serve to keep the tracer gas in contact with the probe seal during testing. A portable monitoring device will be used to analyze a sample of soil vapor for the tracer gas prior to sampling. If the tracer sample results show a significant presence of the tracer (i.e. greater than 10% by volume), the probe seals will be adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring will be performed a second time to confirm the integrity of the probe seal was maintained during sampling.

4.3 Sample Analysis

Samples will be submitted to a NYSDOH Environmental Laboratory Accreditation Program

(ELAP)-certified laboratory for analysis. Soil samples will be analyzed of the following parameters:

- Target Compound List (TCL) VOCs by EPA Method 8260
- TCL SVOC by EPA Method 8270
- Pesticides and polychlorinated biphenyls (PCB) by EPA Method 8081/8082, including Part 375 herbicides
- Target Analyte List (TAL) metals by EPA Method 6010 and 7471, including trivalent chromium, hexavalent chromium, and cyanide

Groundwater samples will be analyzed of the following parameters:

- TCL VOCs by EPA Method 8260
- TCL SVOCs by EPA Method 8270
- Pesticides and PCBs by EPA Method 8081/8082
- Filtered (dissolved) and unfiltered (total) TAL metals by EPA Method 6010 and 7471

Soil vapor samples will be analyzed for VOCs using USEPA Method TO-15.

Soil samples collected from delineation borings will be analyzed for the corresponding total and TCLP metal (i.e., lead for the SB03 hotspot and copper for SB05 hotspot).

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and "fingerprint analysis" and required regulatory reporting (i.e. NYSDEC spills hotline) will be performed.

4.4 Quality Assurance/Quality Control Procedures

QA/QC procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures will be used (1) to document that samples are representative of actual conditions at the site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses will be used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. QA/QC samples (field and trip blanks, duplicates, etc.) will be collected and analyzed at an ELAP-certified laboratory.

4.5 Investigation-Derived Waste

Drill cuttings may be disposed at the site within the borehole that generated them to within 24 inches of the surface unless:

- Free product, grossly contaminated, or petroleum-impacted soil are present in the cuttings
- The borehole has penetrated an aquitard, aquiclude or other confining layer; or extends significantly into bedrock
- Backfilling the borehole with cuttings will create a significant path for vertical movement of contaminants. Soil additives (bentonite) may be added to the cuttings to reduce permeability
- The soil cannot fit into the borehole.

Those soil cuttings needing to be managed on-site will be containerized in properly labeled DOT approved 55-gallon drums for future off-site disposal at a permitted facility. All boreholes that require drill cutting disposal would ultimately be filled with bentonite chips (hydrated) and asphalt/concrete capping. Disposable sampling equipment including, spoons, gloves, bags, paper towels, etc. that came in contact with environmental media will be double bagged and disposed as municipal trash in a facility trash dumpster as non-hazardous trash.

5.0 REPORTING

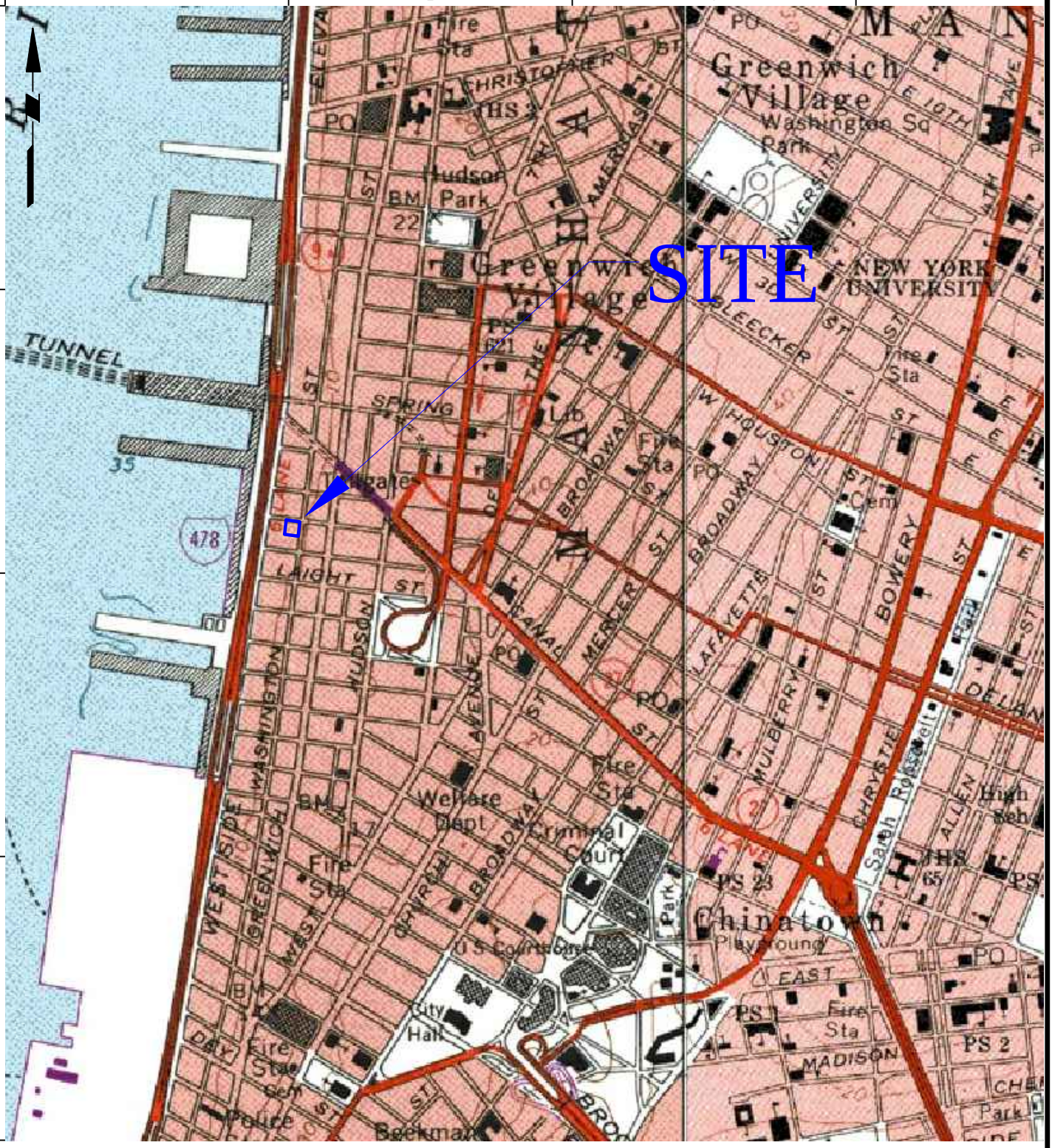
A Remedial Investigation Report will be prepared following completion of the field activities and receipt of the laboratory data. The report will provide detailed summaries of the investigative findings. Soil, groundwater and soil vapor analytical results will be compared to the NYSDEC Part 375-6.8(a) Unrestricted Used Soil Cleanup Objectives, appropriate Part 375-6.8(b) Restricted Soil Cleanup Objectives, 40 CFR 261 Maximum Concentrations of Contaminants for the Toxicity Characteristic, NYSDEC Part 703 Groundwater Quality Standards (GQS) (class GA) or Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS), and NYSDOH October 2006 Final Guidance for Evaluating Soil Vapor Intrusion Matrices. The report will include an updated sampling plan, figures depicting analytical exceedances, analytical data tables for all reported constituent compounds (including non-detectable concentrations) and remedial recommendations, as warranted.

6.0 INVESTIGATION HEALTH AND SAFETY PLAN

An Occupational Safety and Health Administration (OSHA) compliant Health and Safety Plan that meets all OSHA Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements will be implemented during the site work to protect worker safety. The Site Safety Coordinator will ensure full compliance of the HASP in accordance with applicable health and safety laws and regulations. All field personnel involved in investigation activities will participate in training required under OSHA HAZWOPER 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Emergency telephone numbers will be posted at the site location before any work begins.

A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; personal protective equipment (PPE) levels and other relevant safety topics including a highlighted route map to the nearest hospital/emergency room. Meetings will be documented in a log book or specific form. Potential on-site chemicals of concern include VOCs, SVOCs, pesticides/PCBs, and metals. Information fact sheets and/or summary tables for each contaminant group are included in the HASP. A copy of this HASP will be on-site during each sampling event.

Figures



SOURCE: USGS 7.5 SERIES QUADRANGLE MAP - JERSEY CITY, N.J., DATED 1981

LANGAN

21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com

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	440 WASHINGTON STREET BLOCK No. 223, LOT Nos. 13 and 15 NEW YORK NEW YORK NEW YORK
Figure Title	SITE LOCATION MAP
Project No.	170361501
Date	4/24/2015
Scale	NTS
Drawn By / Checked By	JL / BG
Submission Date	5/21/2015
Figure No.	1
Sheet	1 of 2

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-DesignFiles\Environmental\RIWP Short Form\Figure 1 - Site Location Map.dwg Date: 5/20/2015 Time: 17:50 User: dcarrus Style Table: Langan.stb Layout: ANSIA-BP

LEGEND:

- APPROXIMATE SITE BOUNDARY
- SB-10/MW01 — PROPOSED SOIL BORING/MONITORING WELL LOCATION
- SV01 — PROPOSED SOIL VAPOR POINT LOCATION
- SB03SW — PROPOSED DELINEATION SOIL BORING LOCATION
- APPROXIMATE LOCATION OF FORMER SUSPECT USTs
- SB-01 — APRIL 2015 SOIL INVESTIGATION BORING LOCATION
- APPROXIMATE EXTENT OF FORMER BASEMENT, FILLED WITH DEMOLITION DEBRIS FROM SURFACE TO ABOUT 8 FEET BGS

NOTES:

1. SURVEY BASE PLAN TAKEN FROM DRAWING CREATED BY FEHRINGER SURVEYING, P.C., TITLED "SURVEY OF PROPERTY SITUATED IN: WEST, VESTRY, WASHINGTON AND DESBROSSES STREETS", SURVEYED DECEMBER 2, 2013, REVISED APRIL 6, 2015
2. ALL ELEVATIONS SHOWN ON THE SURVEY BASE PLAN ARE WITH RESPECT TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
3. SOIL BORINGS WERE LOCATED BY FIELD MEASUREMENT RELATIVE TO SURVEYED STRUCTURES. BORING LOCATIONS ARE APPROXIMATE.
4. UST = UNDERGROUND STORAGE TANK

10 0 2 4 10
SCALE IN FEET

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED
PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK CONNECTICUT PENNSYLVANIA OHIO WASHINGTON, DC FLORIDA TEXAS NORTH DAKOTA CALIFORNIA
ABU DHABI ATHENS DOHA DUBAI ISTANBUL PANAMA
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

432-440 WASHINGTON STREET

BLOCK No. 223 LOT Nos. 13 & 15
MANHATTAN
NEW YORK COUNTY **NEW YORK**

Figure Title

PROPOSED SAMPLE LOCATION MAP

Project No. 170361501	Figure No. 2
Date 5/21/2015	
Scale AS SHOWN	
Drawn By DC / Checked By KC	
Submission Date 5/11/2015	Sheet 2 of 2

LANGAN
SUBMISSION DATE: MAY 2015
PROJECT NO. 170361501

Filename: \\langan.com\data\NY\data5\170361501\Cadd Data - 170361501\2D-Design\Files\Environmental\OER New Site Report\Figure 8 - Proposed Sample Location Map.dwg Date: 5/20/2015 Time: 17:51 User: dcarrus Style Table: Langan.stb Layout: ANSID-SL

Appendix A

Proposed Development Plans

PONTE RESIDENCES

440 WASHINGTON STREET, NEW YORK, NY 10013

DRAWING LIST		
DWG #	DRAWING NAME	ISSUE DATE
T-001.00	COVER SHEET	04/10/15
A-110.00	CELLAR PLAN	04/10/15
A-111.00	GROUND FLOOR PLAN	04/10/15
A-112.00	2ND FLOOR PLAN	04/10/15
A-113.00	TYPICAL FLOOR PLAN (3RD-8TH)	04/10/15
A-114.00	9TH FLOOR PLAN	04/10/15
A-115.00	10TH FLOOR PLAN	04/10/15
A-116.00	ROOF PLAN	04/10/15
A-200.00	EAST ELEVATION - WASHINGTON STREET	04/10/15
A-201.00	NORTH ELEVATION - DESBROSSES STREET	04/10/15

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

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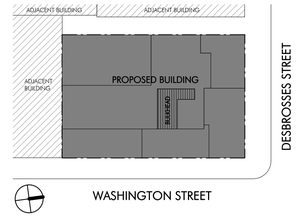

CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

COVER SHEET

ARCHITECT:

OCV

OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t 212.675.6470 f 212.675.6728

SEAL & SIGNATURE:

DRAWING #:

T-001.00

DATE:
04-10-15

JOB #:
14J15

DRAWN BY:
SP

BIS #:

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FOR DOB USE ONLY

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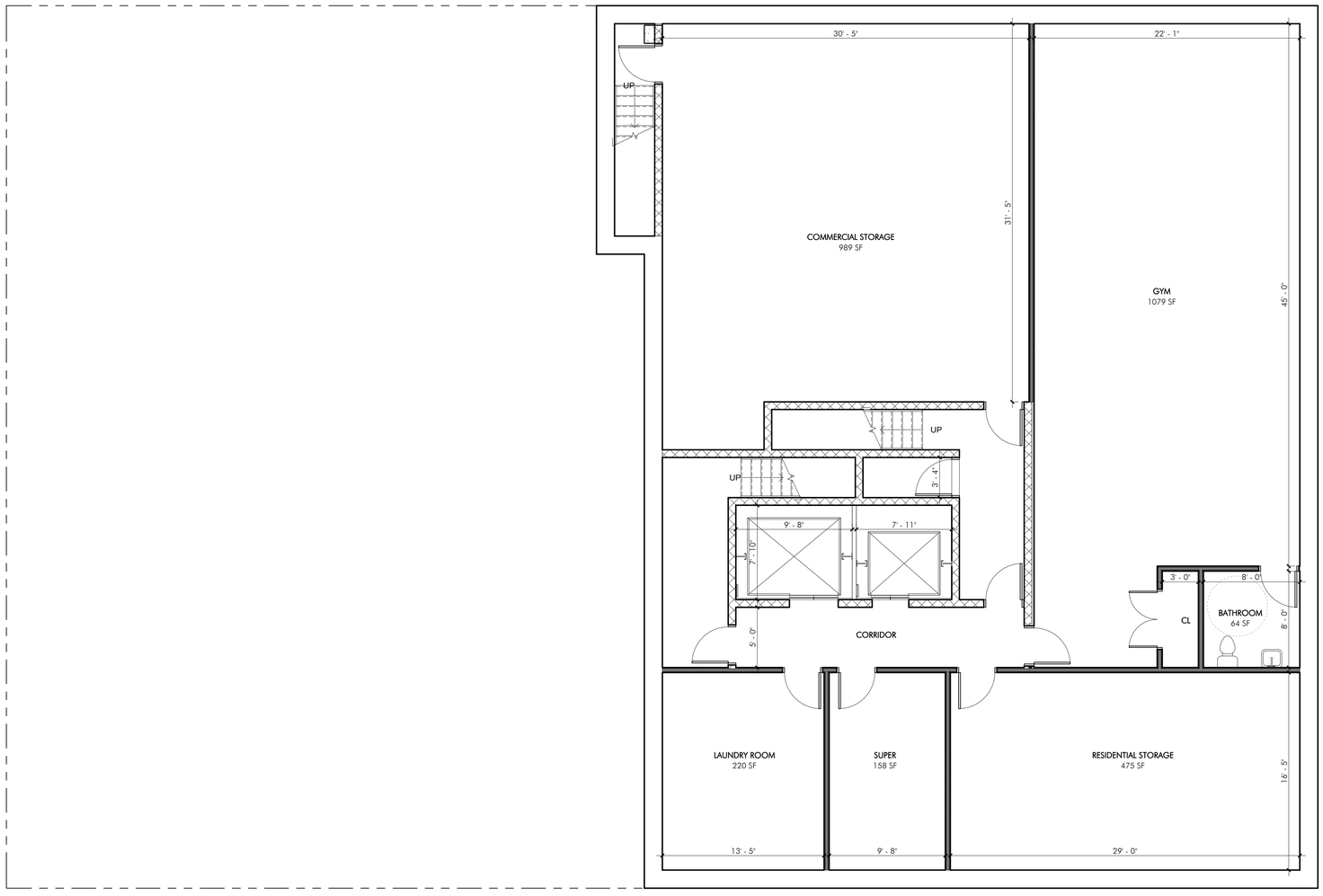

1 Cellar 3/16" = 1'-0"

PONTE RESIDENCES

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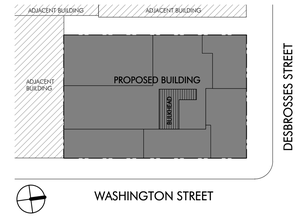

CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

CELLAR PLAN

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-110.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

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FOR DOB USE ONLY

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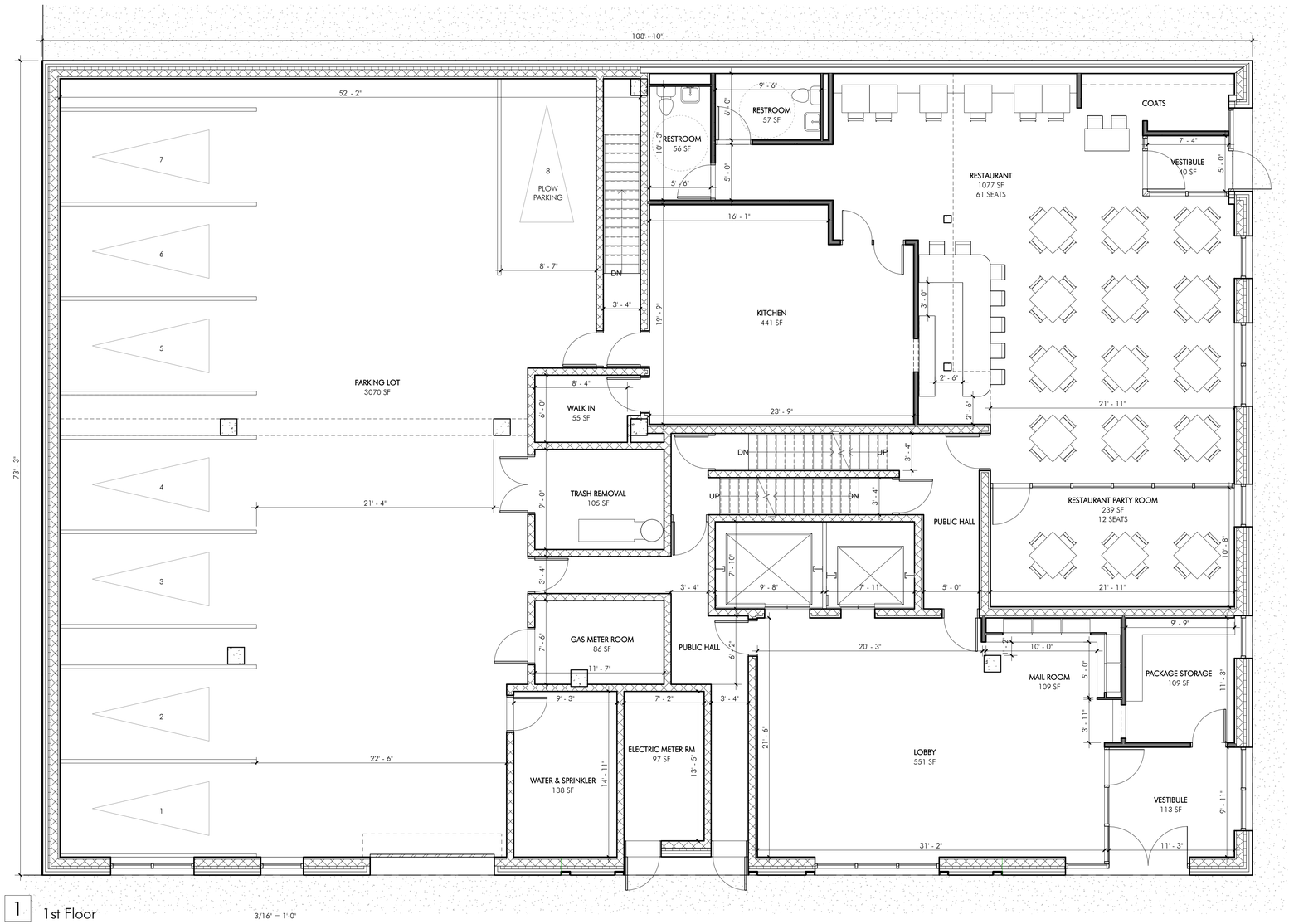

1 1st Floor

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PONTE RESIDENCES

PROJECT TITLE:

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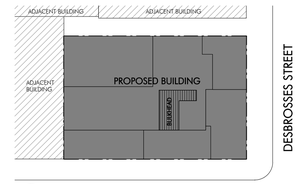
KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

GROUND FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-111.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

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FOR DOB USE ONLY

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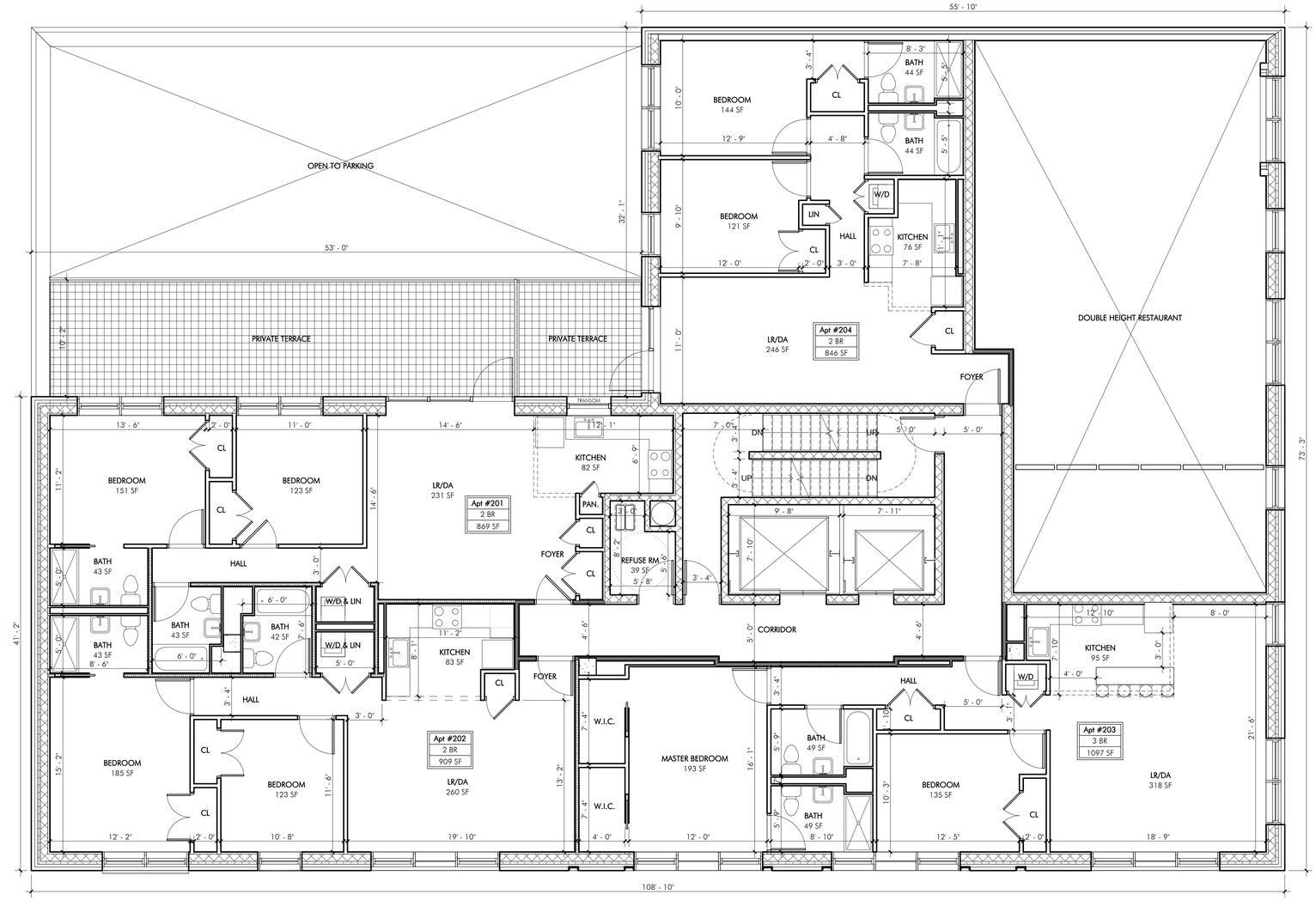


1 2nd Floor

3/16" = 1'-0"

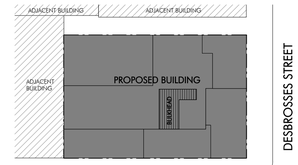
APARTMENT DISTRIBUTION	
# BEDROOMS	COUNT
2nd Floor	
2 BR	3
3 BR	1
3rd Floor	
1 BR	1
2 BR	5
4th Floor	
1 BR	1
2 BR	5
5th Floor	
1 BR	1
2 BR	5
6th Floor	
1 BR	1
2 BR	5
7th Floor	
1 BR	1
2 BR	5
8th Floor	
1 BR	1
2 BR	5
9th Floor	
1 BR	1
2 BR	2
3 BR	1
10th Floor	
2 BR	1
	45

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES

268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

2ND FLOOR PLAN

ARCHITECT:

OCV

OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:

A-112.00

DATE:
04-10-15

JOB #:
14J15

DRAWN BY:
SP

BIS #:

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FOR DOB USE ONLY

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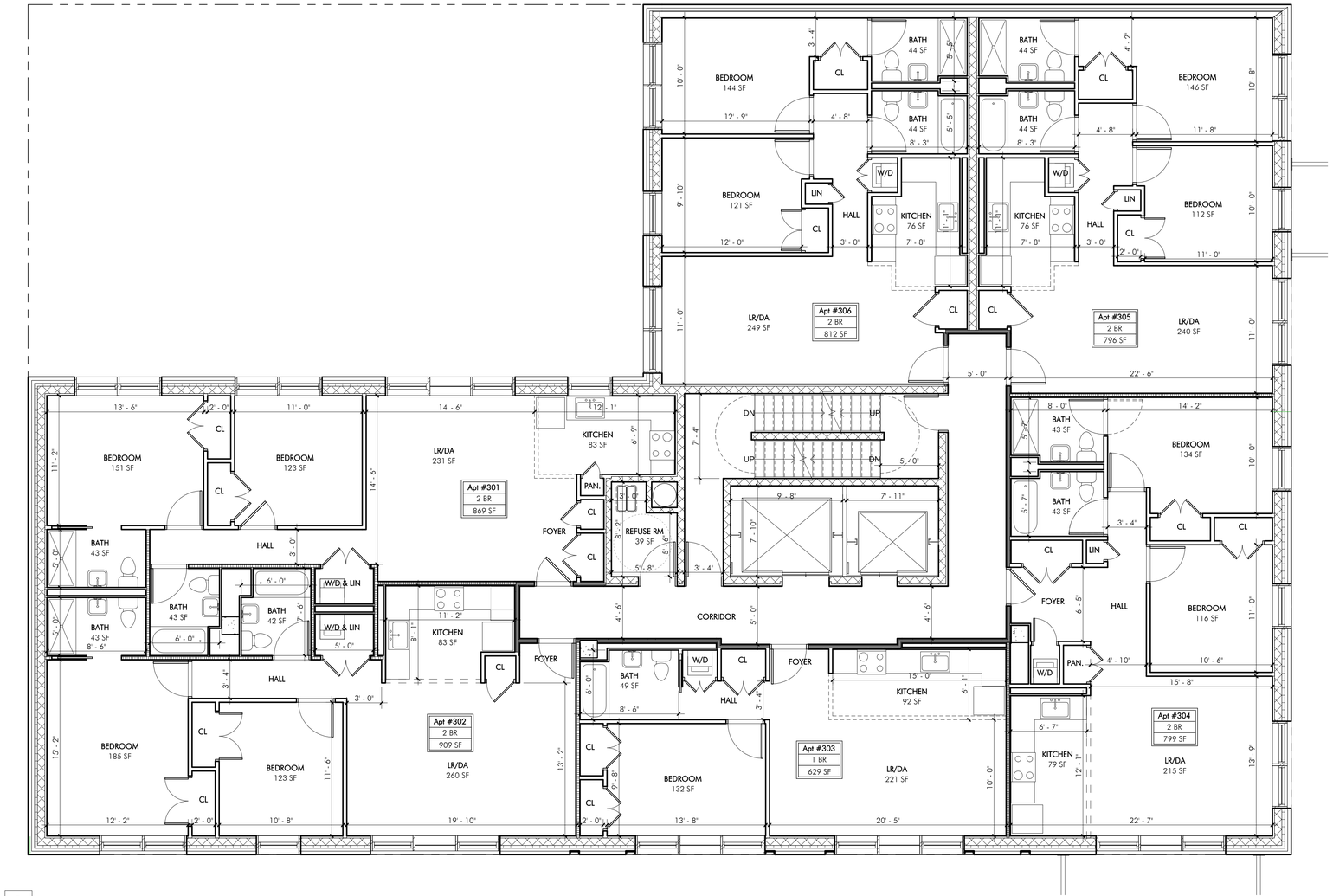

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PONTE RESIDENCES

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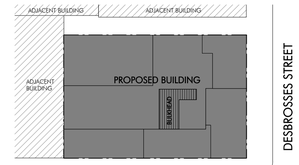
PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

TYPICAL FLOOR PLAN (3RD-8TH)

ARCHITECT:

OCV

OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:**212.675.6470** F:**212.675.6728**

SEAL & SIGNATURE:

DRAWING #: A-113.00

DATE: 04-10-15

JOB #: 14J15

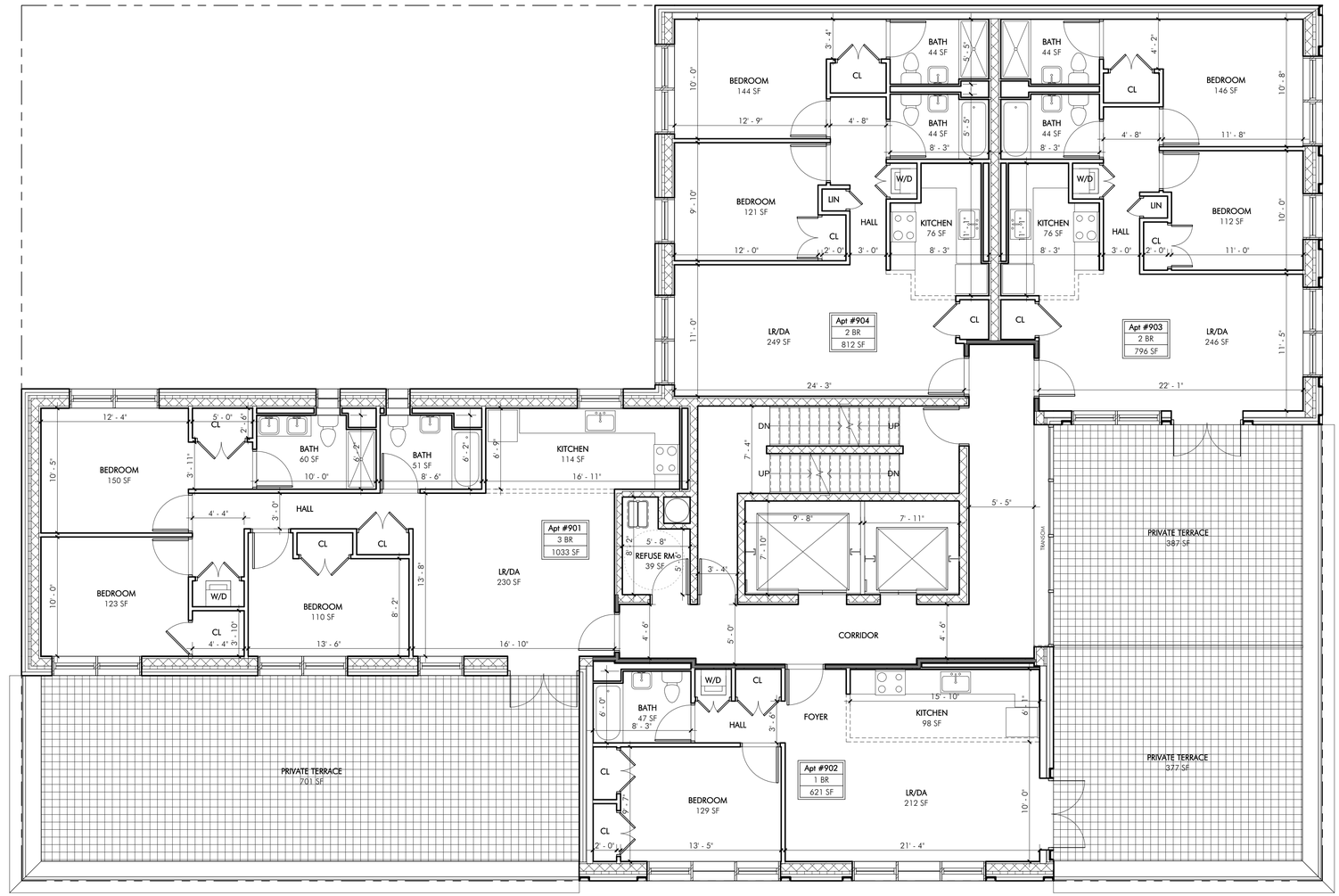
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 11:53:17 AM



1 9th Floor

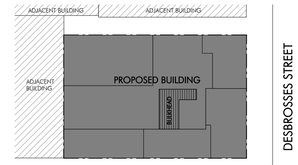
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

9TH FLOOR PLAN

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T.212.675.6470 F.212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-114.00

DATE: 04-10-15

JOB #: 14J15

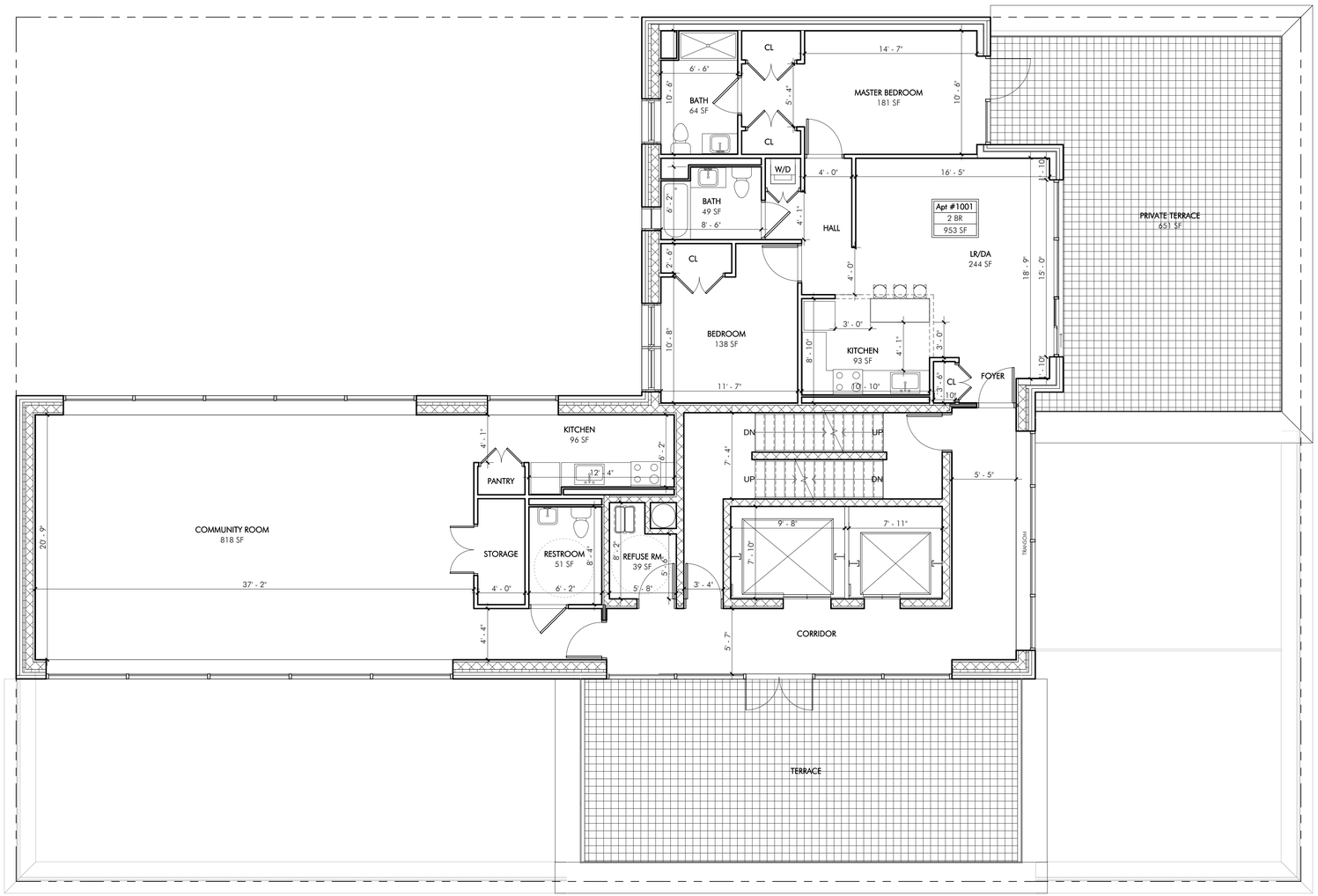
DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 11:53:19 AM



1 10th Floor

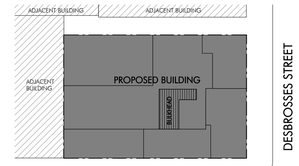
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

10TH FLOOR PLAN

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t:212.675.6470 f:212.675.6728

SEAL & SIGNATURE:

DRAWING #:
A-115.00

DATE:
04-10-15

JOB #:
14J15

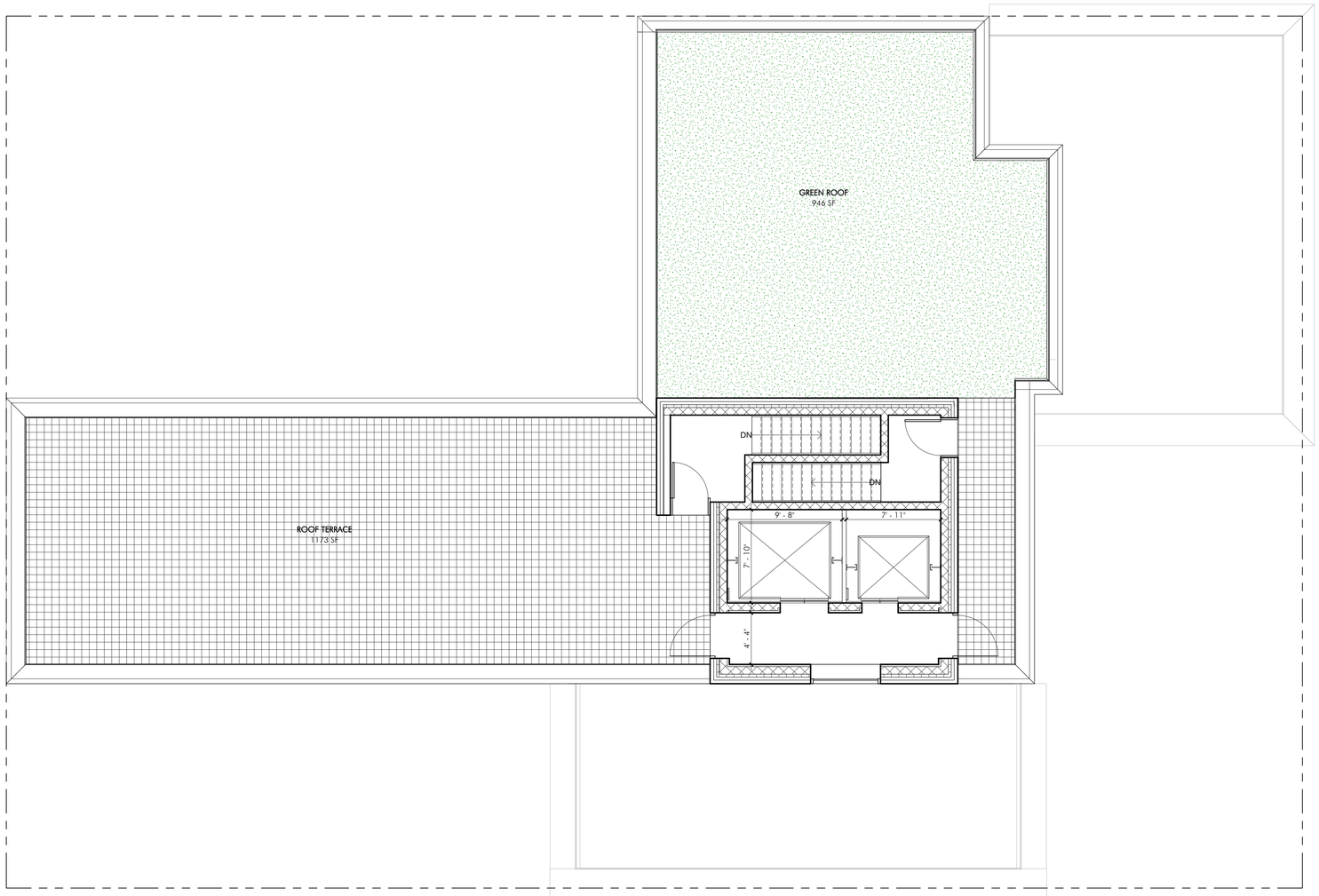
DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 11:53:20 AM



1 Roof

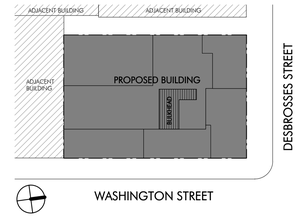
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

ROOF PLAN

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #:

A-116.00

DATE:
04-10-15

JOB #:
14J15

DRAWN BY:
SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 11:53:22 AM

1 WASHINGTON STREET 3/16" = 1'-0"

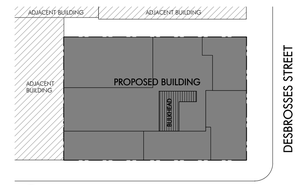
FOR DOB USE ONLY

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

EAST ELEVATION - WASHINGTON STREET

ARCHITECT:
OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
t:212.675.6470 f:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-200.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

4/10/2015 12:14:18 PM

1 DESBROSSES STREET

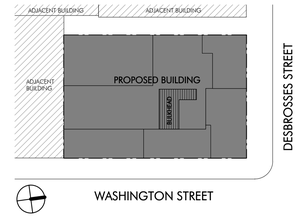
3/16" = 1'-0"

PONTE RESIDENCES

PROJECT TITLE:

PONTE EQUITIES, INC

KEY PLAN:



CLIENT:

PONTE RESIDENCES
268 WEST STREET, NEW YORK, NY 10013

NO.	REVISION	DATE

ADDRESS:

440 WASHINGTON STREET
NEW YORK, NY 10013

DRAWING TITLE:

NORTH ELEVATION - DESBROSSES STREET

ARCHITECT:

OCV
OAKLANDER, COOGAN & VITTO, PC
ARCHITECTS
WWW.OCVARCH.COM
203 LAFAYETTE STREET 5TH FL
NEW YORK CITY, NEW YORK 10012
T:212.675.6470 F:212.675.6728

SEAL & SIGNATURE:

DRAWING #: A-201.00

DATE: 04-10-15

JOB #: 14J15

DRAWN BY: SP

BIS #:

0 1"
SCALE INDICATOR MEASURES 1" WHEN PLOT SCALE IS 1:1

FOR DOB USE ONLY

4/10/2015 12:16:38 PM

Appendix B

Due Diligence Review Documents

1. EDR Radius Map Report
2. Historical Geological Maps
3. Sanborn Fire Insurance Maps
4. NYCDOB Records
5. City Directory Abstract

440 - 432 Washington Street
440 Washington Street
New York, NY 10013

Inquiry Number: 4275967.2s
April 27, 2015

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

TABLE OF CONTENTS

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

440 WASHINGTON STREET
NEW YORK, NY 10013

COORDINATES

Latitude (North):	40.7233000 - 40° 43' 23.88''
Longitude (West):	74.0107000 - 74° 0' 38.52''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	583551.5
UTM Y (Meters):	4508300.5
Elevation:	7 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981
East Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20110705, 20100731
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
440 WASHINGTON STREET
NEW YORK, NY 10013

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	LOT 15,TAXBLOCK 223	432 WASHINGTON STREE	NY E DESIGNATION		TP
A2		432 WASHINGTON ST	EDR US Hist Auto Stat		TP
A3	CON EDISON SERVICE B	432 WASHINGTON ST FR	RCRA-CESQG, FINDS, NY MANIFEST		TP
Reg	HUDSON RIVER PCBS	NO STREET APPLICABLE	NPL, CERCLIS, RCRA-SQG, US ENG CONTROLS, US INST...	Same	462, 0.087, West
A4		33 DESBROSSES ST	EDR US Hist Auto Stat	Higher	1 ft.
A5	TRIBECA CONSTRUCTION	34 DESBROSSES STREET	NY UST	Higher	3, 0.001,
A6	CON EDISON SERVICE B	442 WASHINGTON ST FR	RCRA-CESQG, NY MANIFEST	Higher	6, 0.001, NE
A7	MANHOLE 49054 N/E CR	WASHINGTON/DESBROSSE	NY Spills	Higher	9, 0.002, NE
A8	LOT 18,TAXBLOCK 223	428 WASHINGTON STREE	NY E DESIGNATION	Higher	10, 0.002, SE
A9	LOT 7,TAXBLOCK 223	268 WEST STREET	NY BROWNFIELDS, NY RES DECL, NY E DESIGNATION	Higher	10, 0.002, SE
A10	LOT 12,TAXBLOCK 223	33 DESBROSSES STREET	NY Spills, NY RES DECL, NY E DESIGNATION	Higher	10, 0.002, SE
A11	LOT 5,TAXBLOCK 223	266 WEST STREET	NY E DESIGNATION	Higher	10, 0.002, SE
A12	LOT 11,TAXBLOCK 223	35 DESBROSSES STREET	NY E DESIGNATION, NY RES DECL	Higher	10, 0.002, SE
A13	LOT 20,TAXBLOCK 223	426 WASHINGTON STREE	NY E DESIGNATION, NY RES DECL	Higher	10, 0.002, SE
A14	LOT 3,TAXBLOCK 223	264 WEST STREET	NY E DESIGNATION	Higher	10, 0.002, SE
A15	LOT 26,TAXBLOCK 223	437 WASHINGTON STREE	NY E DESIGNATION	Higher	15, 0.003, East
A16	LOT 21,TAXBLOCK 224	445 WASHINGTON STREE	NY E DESIGNATION	Higher	17, 0.003, ENE
A17	LOT 23,TAXBLOCK 223	431 WASHINGTON STREE	NY E DESIGNATION	Higher	17, 0.003, SE
A18	CON EDISON SERVICE B	429 WASHINGTON ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	33, 0.006, SSE
A19	TRIBECA TOWER INC	427 WASHINGTON STREE	NY AST, NY HIST AST	Higher	58, 0.011, SSE
A20		70 VESTRY ST	EDR US Hist Auto Stat	Higher	61, 0.012, South
A21	CON EDISON SERVICE B	VESTRY ST & WASHINGT	RCRA-CESQG, NY MANIFEST	Higher	64, 0.012, SSE
A22	CON EDISON SERVICE B	VESTRY ST & WASHINGT	RCRA-CESQG, NY MANIFEST	Higher	64, 0.012, SSE
A23	CON EDISON SERVICE B	WASHINGTON ST & VEST	RCRA-CESQG, NY MANIFEST	Higher	64, 0.012, SSE
A24	CON EDISON SERVICE B	VESTRY ST & WASHINGT	RCRA-CESQG, NY MANIFEST	Higher	64, 0.012, SSE
A25	LOT 36,TAXBLOCK 224	DESBROSSES STREET	NY E DESIGNATION	Higher	67, 0.013, NE
A26	CON EDISON SERVICE B	61 VESTRY ST FRONT O	RCRA-CESQG, FINDS, NY MANIFEST	Higher	68, 0.013, SSE
A27	CON EDISON SERVICE B	63 VESTRY ST	RCRA-CESQG	Higher	68, 0.013, SSE
A28	CON EDISON	63 VESTRY ST	NY MANIFEST	Higher	68, 0.013, SSE
A29	67 VESTRY ST	67 VESTRY STREET	NY AST	Higher	69, 0.013, South
A30	63 VESTRY STREET	67 VESTRY STREET	NY LTANKS	Higher	69, 0.013, South
A31		446 WASHINGTON ST	EDR US Hist Auto Stat	Higher	81, 0.015, NE
A32	CON EDISON SERVICE B	442 442 WASHINGTON S	RCRA-CESQG, FINDS, NY MANIFEST	Higher	88, 0.017, NNE
A33	LOT 23,TAXBLOCK 224	449 WASHINGTON STREE	NY E DESIGNATION	Higher	108, 0.020, NNE
A34	CON EDISON SERVICE B	449 WASHINGTON ST OP	RCRA-CESQG, FINDS, NY MANIFEST	Higher	120, 0.023, NNE
A35		266 WEST ST	EDR US Hist Auto Stat	Lower	121, 0.023, WSW
A36	CHANDER AUTO REPAIR,	266 WEST STREET	NY AST	Lower	121, 0.023, WSW
A37	LOT 9,TAXBLOCK 223	270 WEST STREET	NY E DESIGNATION, NY RES DECL	Lower	125, 0.024, WNW
A38	275 WEST STREET	275 WEST STREET	NY AST	Lower	145, 0.027, NW

MAPPED SITES SUMMARY

Target Property Address:
440 WASHINGTON STREET
NEW YORK, NY 10013

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A39	FEDERAL ARMORED EXPR	275 WEST ST	RCRA NonGen / NLR, FINDS	Lower	145, 0.027, NW
A40		440 GREENWICH ST	EDR US Hist Auto Stat	Higher	153, 0.029, ESE
A41	LOT 1,TAXBLOCK 224	450 WASHINGTON STREE	NY E DESIGNATION	Higher	157, 0.030, NNE
B42	CON EDISON SERVICE B	52 VESTRY ST FRONT O	RCRA-CESQG, FINDS, NY MANIFEST	Higher	165, 0.031, SE
C43	LAIGHT ST / WEST ST	IN STREET	NY Spills	Lower	169, 0.032, SW
B44	PARKING LOT	415 WASHINGTON ST/LE	NY Spills	Higher	171, 0.032, SSE
B45	ABANDONED GAS STATIO	415 WASHINGTON ST/LE	NY Spills	Higher	171, 0.032, SSE
C46	259 WEST STREET	259 WEST STREET	NY LTANKS	Lower	216, 0.041, SW
B47	CON EDISON SERVICE B	416 WASHINGTON ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	222, 0.042, South
D48	147 WATT STREET	147 WATT STREET	NY Spills	Higher	224, 0.042, NNE
B49	LOT 33,TAXBLOCK 224	24 DESBROSSES STREET	NY E DESIGNATION	Higher	226, 0.043, East
B50	LOT 33,TAXBLOCK 223	442 GREENWICH STREET	NY E DESIGNATION	Higher	226, 0.043, ESE
B51	APPLE FIBERS; INC.	444 GREENWICH STREET	NY SWRCY, NY E DESIGNATION	Higher	227, 0.043, ESE
B52	LOT 29,TAXBLOCK 223	450 GREENWICH STREET	NY E DESIGNATION	Higher	227, 0.043, East
B53	LOT 32,TAXBLOCK 224	454 GREENWICH STREET	NY E DESIGNATION	Higher	227, 0.043, East
B54	LOT 35,TAXBLOCK 223	438 GREENWICH STREET	NY E DESIGNATION	Higher	231, 0.044, ESE
B55	OFFICE BUILDING	443 GREENWICH ST	NY Spills	Higher	242, 0.046, ESE
D56	LOT 51,TAXBLOCK 595	142 WATTS STREET	NY E DESIGNATION	Higher	245, 0.046, NNE
D57	LOT 22,TAXBLOCK 595	456 WASHINGTON STREE	NY E DESIGNATION	Higher	247, 0.047, NNE
B58	443 GREENWICH STREET	443 GREENWICH STREET	NY AST	Higher	249, 0.047, ESE
B59	443 GREENWICH ST	443 GREENWICH ST	NY LTANKS	Higher	249, 0.047, ESE
B60	THE REGAL CO	443 GREENWICH STREET	NY UST	Higher	249, 0.047, ESE
B61	LOT 1,TAXBLOCK 222	443 GREENWICH STREET	NY E DESIGNATION	Higher	249, 0.047, ESE
B62	CALDERON BELTS INC	443 GREENWICH ST 3RD	RCRA NonGen / NLR, NY MANIFEST	Higher	249, 0.047, ESE
B63	CON EDISON SERVICE B	414 WASHINGTON ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	259, 0.049, South
B64	415 WASHINGTON ST -	415 WASHINGTON ST	NY Spills	Higher	259, 0.049, South
D65	PARKING LOT - HISTOR	281 WEST ST	NY Spills	Lower	276, 0.052, NNW
D66	LOT 1,TAXBLOCK 595	281 WEST STREET	NY E DESIGNATION	Lower	276, 0.052, NNW
D67	WEST & WATTS DEVELOP	281 WEST STREET AND	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Lower	276, 0.052, NNW
B68	435 GREENWICH CORP	435 GREENWICH STREET	NY TANKS, NY HIST AST	Higher	282, 0.053, SE
E69	HUDSON RIVER PARK	WEST ST/ WATT ST	NY LTANKS	Lower	297, 0.056, NNW
F70	LAIGHT COOPERATIVE C	76 LAIGHT STREET	NY AST	Higher	299, 0.057, South
D71	C. TRUE BUILDING COR	465 GREENWICH STREET	NY AST, NY HIST AST	Higher	302, 0.057, ENE
D72	C TRUE BLDG CORP	465 GREENWICH ST	NY LTANKS	Higher	302, 0.057, ENE
C73	CON EDISON SERVICE B	84 LAIGHT ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	303, 0.057, SSW
C74	CON EDISON SERVICE B	88 LAIGHT ST FRONT O	RCRA-CESQG, NY MANIFEST	Lower	309, 0.059, SSW
C75	CON EDISON SERVICE B	88 LAIGHT ST FRONT O	RCRA-CESQG, NY MANIFEST	Lower	309, 0.059, SSW
F76	CONSOLIDATED EDISON	399 WASHINGTON STREE	NY MANIFEST	Higher	329, 0.062, South
D77	MANHOLE 36283	WATTS ST/GREENWICH S	NY Spills	Higher	330, 0.062, NE

MAPPED SITES SUMMARY

Target Property Address:
440 WASHINGTON STREET
NEW YORK, NY 10013

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
F78	LOT 14,TAXBLOCK 217	401 WASHINGTON STREE	NY E DESIGNATION	Higher	331, 0.063, South
F79	HELLER & USDAN INC	401 WASHINGTON STREE	NY AST	Higher	331, 0.063, South
B80	CON EDISON SERVICE B	69 LAIGHT ST FRONT O	RCRA-CESQG, FINDS, NY MANIFEST	Higher	333, 0.063, SSE
F81	CON EDISON - VAULT S	398 WASHINGTON ST	RCRA-LQG, NY MANIFEST	Higher	334, 0.063, South
F82	399 WASHINGTON STREE	399 WASHINGTON STREE	NY Spills	Higher	334, 0.063, South
F83	CON EDISON MANHOLE:	397 WASHINGTON ST	RCRA NonGen / NLR, NY MANIFEST	Higher	338, 0.064, South
F84	LOT 17,TAXBLOCK 217	422 GREENWICH STREET	NY E DESIGNATION	Higher	387, 0.073, SSE
F85	PARKING GARAGE TTF	422 GREENWICH ST	NY LTANKS	Higher	387, 0.073, SSE
D86	BRIDGE LAND WEST LLC	460 WASHINGTON ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	389, 0.074, NNE
G87	LOT 4,TAXBLOCK 225	123 WATTS STREET	NY E DESIGNATION	Higher	394, 0.075, ENE
G88	MANHATTAN AUTO DIAGN	124 WATTS STREET	NY UST, NY HIST UST	Higher	394, 0.075, ENE
G89		124 WATTS ST	EDR US Hist Auto Stat	Higher	394, 0.075, ENE
B90	CON EDISON SERVICE B	40 VESTRY ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	408, 0.077, ESE
D91		473 GREENWICH ST	EDR US Hist Auto Stat	Higher	411, 0.078, NE
H92	LOT 7503,TAXBLOCK 21	250 WEST STREET	NY E DESIGNATION	Lower	423, 0.080, SSW
E93		290 WEST ST	EDR US Hist Auto Stat	Lower	431, 0.082, NNW
G94	FRATELLI BRANCA & CO	12 DEBROSSES ST	RCRA NonGen / NLR, FINDS	Higher	434, 0.082, East
G95	FRATELLI BRANCA AND	115 WATT ST	NY LTANKS	Higher	434, 0.082, East
H96	34 HERBERT STREET AS	250 WEST ST	NY MANIFEST	Lower	444, 0.084, SSW
I97	12 DESBROSSES ST/MAN	12 DESBROSSES STREET	NY Spills	Higher	446, 0.084, East
E98	SPILL NUMBER 0005811	WEST ST/WATT ST	NY Spills	Lower	446, 0.084, NNW
I99	DIGITAL DIRIGIBLE	38 VESTRY ST	RCRA NonGen / NLR	Higher	448, 0.085, ESE
I100	SPILL NUMBER 9713269	35 VESTRY ST	NY Spills	Higher	450, 0.085, ESE
E101	IFO 596 CANAL ST	IFO 596 CANAL ST	NY Spills	Lower	468, 0.089, NNW
D102	CON EDISON SERVICE B	463 WASHINGTON ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	471, 0.089, NNE
D103	CON EDISON SERVICE B	463 WASHINGTON ST OP	RCRA-CESQG, NY MANIFEST	Higher	471, 0.089, NNE
G104	FRATELLI BRANCA & CO	115 WATTS ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	484, 0.092, ENE
G105	FRATELLI BRANCA & CO	115 WATTS ST	NY Spills	Higher	484, 0.092, ENE
G106	LOT 6,TAXBLOCK 225	115 WATTS STREET	NY E DESIGNATION	Higher	484, 0.092, ENE
G107	GAS STATION	475 GREENWICH ST.	NY Spills	Higher	490, 0.093, NE
G108	475 GREENWICH STREET	475 GREENWICH STREET	NY UST	Higher	490, 0.093, NE
G109	NYC DEPT OF GEN SERV	480 CANAL ST	RCRA NonGen / NLR, NY MANIFEST	Higher	518, 0.098, ENE
G110	HARDING & HEAL INC	480 CANAL ST 3RD FL	RCRA NonGen / NLR, NY MANIFEST	Higher	518, 0.098, ENE
G111	480 CANAL ST	480 CANAL STREET	NY AST	Higher	518, 0.098, ENE
J112	CON EDISON SERVICE B	57 LAIGHT ST FRONT O	RCRA-CESQG, FINDS, NY MANIFEST	Higher	520, 0.098, SE
G113		500 CANAL ST	EDR US Hist Auto Stat	Higher	521, 0.099, NE
G114	AUTO DIAGNOSTIC CENT	500 CANAL ST	NY Spills	Higher	521, 0.099, NE
G115	MANHATTAN AUTO DIAGN	500 CANAL STREET	NY UST, NY HIST UST	Higher	521, 0.099, NE
K116	MOBIL OIL-#17-JYX	290 WEST STREET	RCRA NonGen / NLR, FINDS, NY MANIFEST	Lower	522, 0.099, North

MAPPED SITES SUMMARY

Target Property Address:
440 WASHINGTON STREET
NEW YORK, NY 10013

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K117	MOBIL R/S #11713	290 WEST STREET	NY UST, NY HIST UST	Lower	522, 0.099, North
K118	LOT 10,TAXBLOCK 595	290 WEST STREET	NY E DESIGNATION	Lower	522, 0.099, North
G119	LOT 8,TAXBLOCK 594	505 CANAL STREET	NY E DESIGNATION	Higher	523, 0.099, NE
J120	BELL ATLANTIC MOBILE	54 LAIGHT STREET	NY TANKS, NY HIST AST	Higher	524, 0.099, SE
J121		54 LAIGHT ST	EDR US Hist Auto Stat	Higher	524, 0.099, SE
G122	CON EDISON - SERVICE	SWC CANAL ST AND GRE	RCRA-LQG, NY MANIFEST	Higher	525, 0.099, NE
J123	HANLEY MOVING SERVIC	412 GREENWICH ST	NY AST, NY HIST AST	Higher	525, 0.099, SSE
G124	LOT 7501,TAXBLOCK 59	479 GREENWICH STREET	NY E DESIGNATION	Higher	526, 0.100, NE
L125	CON EDISON SERVICE B	508 CANAL ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	529, 0.100, NNE
I126	CON EDISON SERVICE B	31 VESTRY ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	529, 0.100, ESE
L127	FIVE STAR AUTOTEC	510 CANAL STREET	NY UST	Higher	531, 0.101, NNE
L128		510 CANAL ST	EDR US Hist Auto Stat	Higher	531, 0.101, NNE
L129	FIVE STAR	510 CANAL STREET	NY Spills	Higher	531, 0.101, NNE
L130	CON EDISON SERVICE B	510 CANAL ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	531, 0.101, NNE
F131	NEW BOWERY ANTHONYS	408 GREENWICH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	535, 0.101, SSE
G132	34 WATTS ST	34 WATTS ST (110 6TH	NY AST, NY HIST AST	Higher	536, 0.102, ENE
K133	NYC DEPT OF SANITATI	297 WEST ST	NY Spills	Lower	553, 0.105, North
K134	DEPT OF SANITATION	297 WEST STREET	NY LTANKS, NY Spills	Lower	553, 0.105, North
K135	NYC SANITAION - J SC	297 WEST ST MW1	RCRA-CESQG, ICIS, FINDS, NY MANIFEST	Lower	553, 0.105, North
K136	DSNY M DISTRICT 1 GA	297 WEST STREET	NY UST, NY HIST UST	Lower	553, 0.105, North
M137	SLEIGHT & HELLMUTH D	34 HUBERT ST	RCRA NonGen / NLR, FINDS	Higher	560, 0.106, SSE
K138	LOT 9,TAXBLOCK 595	536I CANAL STREET	NY E DESIGNATION	Lower	560, 0.106, NNE
K139	MANHOLE 28488	CANAL ST/WASHINGTON	NY Spills	Higher	567, 0.107, NNE
G140	LOT 115,TAXBLOCK 594	503 CANAL STREET	NY E DESIGNATION	Higher	570, 0.108, ENE
M141	415 GREENWICH STREET	415 GREENWICH STREET	NY AST	Higher	576, 0.109, SSE
H142	CON EDISON MANHOLE:	WEST ST & HUBERT ST	RCRA-CESQG, NY MANIFEST	Lower	576, 0.109, SSW
H143	VARLOTTA CONSTRUCTIO	WEST ST. & HUBERT ST	NY SWF/LF	Lower	576, 0.109, SSW
G144	LOT 113,TAXBLOCK 594	499 CANAL STREET	NY E DESIGNATION	Higher	579, 0.110, ENE
M145	30-12 HOBART ST/QUEE	30-12 HOBART STREET	NY Spills	Higher	582, 0.110, SSE
L146	CON EDISON SERVICE B	483 GREENWICH ST	RCRA-CESQG, NY MANIFEST	Higher	584, 0.111, NE
L147	CON EDISON SERVICE B	483 GREENWICH ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	584, 0.111, NE
G148	511 CANAL STREET	511 CANAL ST	NY AST	Higher	585, 0.111, NE
G149	LOT 112,TAXBLOCK 594	497 CANAL STREET	NY E DESIGNATION	Higher	585, 0.111, ENE
G150	LOT 111,TAXBLOCK 594	495 CANAL STREET	NY E DESIGNATION	Higher	586, 0.111, ENE
L151	LOT 84,TAXBLOCK 595	484 GREENWICH STREET	NY E DESIGNATION	Higher	587, 0.111, NNE
L152	CON EDISON SERVICE B	484 GREENWICH ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	587, 0.111, NNE
L153	LIBERTY VIEW CORP	533 CANAL ST	NY Spills	Higher	587, 0.111, NNE
L154	LOT 59,TAXBLOCK 595	533 CANAL STREET	NY E DESIGNATION	Higher	587, 0.111, NNE
L155	LIBERTY VIEW CORP.	533 CANAL STREET	NY AST, NY HIST AST	Higher	587, 0.111, NNE

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M156	CON EDISON MANHOLE 3	GREENWICH ST & HUEBE	RCRA NonGen / NLR, NJ MANIFEST, NJ MANIFEST	Higher	593, 0.112, SSE
L157	FORMER GAS STATION	482 GREENWICH ST	NY Spills	Higher	594, 0.112, NNE
L158	FORMER MOBIL STATION	527 CANAL STREET	NY Spills	Higher	594, 0.112, NNE
L159	LOT 52,TAXBLOCK 595	523 CANAL STREET	NY E DESIGNATION	Higher	594, 0.112, NNE
I160	CUNY HUNTER COLLEGE	205 HUDSON ST - FLOO	RCRA-CESQG, FINDS, NY MANIFEST	Higher	598, 0.113, East
I161	CON EDISON SERVICE B	205 HUDSON ST FRONT	RCRA NonGen / NLR, NY MANIFEST	Higher	598, 0.113, East
L162	LOT 83,TAXBLOCK 595	486 GREENWICH STREET	NY E DESIGNATION	Higher	600, 0.114, NNE
J163	181 HUDSON ST	181 HUDSON ST- APT C	NY Spills	Higher	603, 0.114, ESE
K164	CON EDISON SERVICE B	CANAL ST & WASHINGTO	RCRA-CESQG, NY MANIFEST	Higher	605, 0.115, NNE
K165	CON EDISON MANHOLE:	CANAL ST & WASHINGTO	RCRA-CESQG, NY MANIFEST	Higher	605, 0.115, NNE
K166	CON EDISON SERVICE B	CANAL ST & WASHINGTO	RCRA-CESQG, NY MANIFEST	Higher	605, 0.115, NNE
K167	CON EDISON MANHOLE:	CANAL ST & WASHINGTO	RCRA-CESQG, NY MANIFEST	Higher	605, 0.115, NNE
K168	CON EDISON - MANHOLE	NW CO WASHINGTON ST	RCRA-LQG, NY MANIFEST	Higher	605, 0.115, NNE
I169	ROADWAY	CANAL AT HUDSON ST	NY Spills	Higher	606, 0.115, East
I170	CON EDISON MANHOLE:	470 CANAL ST	RCRA NonGen / NLR, NY MANIFEST	Higher	606, 0.115, ENE
G171		489 CANAL ST	EDR US Hist Auto Stat	Higher	609, 0.115, ENE
G172	VACANT LOT (FORMER G	489-493 CANAL STREET	NY Spills	Higher	609, 0.115, ENE
I173	HOLLAND TUNNEL	HUDSON STREET	NY Spills	Higher	615, 0.116, East
J174	LOT 3,TAXBLOCK 219	52 LAIGHT STREET	NY E DESIGNATION	Higher	617, 0.117, SE
L175		488 GREENWICH ST	EDR US Hist Auto Stat	Higher	622, 0.118, NNE
L176	LOT 82,TAXBLOCK 595	488 GREENWICH STREET	NY E DESIGNATION	Higher	622, 0.118, NNE
J177	LOT 1,TAXBLOCK 215	10 HUBERT STREET	NY E DESIGNATION	Higher	624, 0.118, SE
J178	FORMER AUTOMOBILE GA	48 LAIGHT STREET	NY UST, NY AST	Higher	637, 0.121, SE
J179	167 HUDSON ST	167 HUDSON ST	NY Spills	Higher	637, 0.121, SE
J180	48 LAIGHT STREET	48 LAIGHT STREET	NY Spills	Higher	637, 0.121, SE
L181		490 GREENWICH ST	EDR US Hist Auto Stat	Higher	646, 0.122, NNE
I182	CON EDISON VAULT: 83	2 DESBROSSES ST	RCRA NonGen / NLR, NY MANIFEST	Higher	646, 0.122, East
K183	HOLLAND TUNNEL NY LA	543 CANAL STREET	NY AST	Higher	652, 0.123, NNE
I184	CON EDISON - SERVICE	185 HUDSON ST	RCRA-LQG, FINDS, NY MANIFEST	Higher	654, 0.124, East
I185	RAPOPORT METROPOLITA	195 HUDSON ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	655, 0.124, East
I186	RAPOPORT METROPOLITA	195 HUDSON STREET	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	655, 0.124, East
I187	RARAPORT PRINTING CO	195 HUDSON STREET	NY AST, NY HIST AST	Higher	655, 0.124, East
N188	181 HUDSON STREET	181 HUDSON STREET	NY UST	Higher	657, 0.124, ESE
I189	CON EDISON - MANHOLE	W HUDSON ST. & D	RCRA-LQG, NY MANIFEST	Higher	658, 0.125, East
N190	CON EDISON	VESTRY ST & HUDSON S	RCRA NonGen / NLR, NJ MANIFEST, NJ MANIFEST	Higher	662, 0.125, ESE
J191	157 HUDSON STREET	157 HUDSON STREET	NY UST	Higher	666, 0.126, SE
N192	CON EDISON - SERVICE	175 HUDSON ST	RCRA-LQG, FINDS, NY MANIFEST	Higher	667, 0.126, ESE
M193	CITIGROUP	390 GREENWICH ST	RCRA-LQG, NY MANIFEST	Higher	667, 0.126, South
I194	CON ED - MH1115	E/S LEE AVE	RCRA NonGen / NLR, NY MANIFEST	Higher	672, 0.127, East

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N195	2OO HUDSON ST	200 HUDSON ST	NY AST	Higher	679, 0.129, ESE
N196	TRINITY CHURCH	200 HUDSON ST - MAIN	RCRA NonGen / NLR, NY MANIFEST	Higher	679, 0.129, ESE
N197	HUDSON PRINTING CO I	200 HUDSON ST 11TH F	RCRA NonGen / NLR, US AIRS	Higher	679, 0.129, ESE
N198	LATHAM PROCESS CORP-	200 HUDSON ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	679, 0.129, ESE
N199	HUDSON ALLEY, INC.	174 HUDSON ST	NY AST, NY HIST AST	Higher	681, 0.129, ESE
L200	471 WASHINGTON STREE	471 WASHINGTON ST	RCRA-LQG, NY MANIFEST, NY MANIFEST	Higher	682, 0.129, NNE
L201	CON EDISON SERVICE B	491 GREENWICH ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	686, 0.130, NNE
J202	CON EDISON	169 HUDSON ST SB3728	NY MANIFEST	Higher	692, 0.131, ESE
J203	169 HUDSON ST. CONDO	169 HUDSON STREET	NY AST	Higher	692, 0.131, ESE
O204	CON EDISON SERVICE B	HUDSON ST AND CANAL	RCRA-CESQG, NY MANIFEST	Higher	709, 0.134, East
J205		166 HUDSON ST	EDR US Hist Auto Stat	Higher	727, 0.138, SE
O206	231-239 HUDSON STREE	231-239 HUDSON STREE	NY UST	Higher	728, 0.138, ENE
N207	CON EDISION - MH 372	F/O 189 HUDSON ST. F	RCRA NonGen / NLR, NY MANIFEST	Higher	728, 0.138, East
P208	CON EDISON SERVICE B	26 RENWICK ST FRONT	RCRA-CESQG, NY MANIFEST	Higher	736, 0.139, NE
O209	99-105 CANAL	99-105 CANAL ST	NY AST, NY HIST AST	Higher	738, 0.140, East
L210	CON EDISON SERVICE B	495 GREENWICH ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	739, 0.140, NNE
O211	CON EDISON SERVICE B	465 CANAL ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	755, 0.143, East
O212	CON EDISON SERVICE B	465 CANAL ST	RCRA-CESQG, NY MANIFEST	Higher	755, 0.143, East
J213	CON EDISON	OPP 159 HUDSON ST	NY MANIFEST	Higher	756, 0.143, SE
Q214	481 WASHINGTON STREE	481 WASHINGTON STREE	NY AST	Higher	783, 0.148, NNE
N215	EAGLE TRANSFER CORPO	40 LAIGHT STREET	NY AST, NY HIST AST	Higher	784, 0.148, ESE
O216	CON EDISON SERVICE B	439 CANAL ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	784, 0.148, East
L217	EAGEL TRANSFER CORP	483/487 GREENWICH ST	NY AST	Higher	789, 0.149, NNE
N218	MH68032	S/E/C E. 2ND STREET	RCRA NonGen / NLR, NY MANIFEST	Higher	798, 0.151, ESE
R219	NYCDEP MANHATTAN WAT	150 HUDSON STREET	NY UST	Higher	818, 0.155, SE
S220	EMPIRE CITY SUBWAY	CANAL STREET & WEST	NY MANIFEST	Lower	828, 0.157, North
R221	CON EDISON	OPP 34 LAIGHT ST	NY MANIFEST	Higher	828, 0.157, ESE
R222	ANDREWS BLDG CORP	151 HUDSON ST	NY LTANKS	Higher	839, 0.159, SE
T223		397 GREENWICH ST	EDR US Hist Cleaners	Higher	845, 0.160, SSE
P224	CON EDISON GAS MAIN	255 HUDSON ST GAS MA	RCRA NonGen / NLR, NY MANIFEST	Higher	858, 0.162, ENE
Q225		489 WASHINGTON ST	EDR US Hist Auto Stat	Higher	864, 0.164, NNE
Q226	LAVA, LLC	503-509 GREENWICH ST	NY UST	Higher	872, 0.165, NNE
R227	MINILAND PARTNERSHIP	28 LAIGHT STREET	NY AST, NY HIST AST	Higher	873, 0.165, ESE
R228	145 HUDSON STREET CO	145 HUDSON STREET	NY AST	Higher	875, 0.166, SE
T229		395 GREENWICH ST	EDR US Hist Cleaners	Higher	880, 0.167, South
P230	KARR GRAPHICS	250 HUDSON STREET	RCRA NonGen / NLR, FINDS, NY MANIFEST, US AIRS	Higher	881, 0.167, NE
P231	P D M LITHO	250 HUDSON ST 8TH FL	RCRA NonGen / NLR	Higher	881, 0.167, NE
P232	250 HUDSON STREET	250 HUDSON STREET	NY AST, NY HIST AST	Higher	881, 0.167, NE
Q233	507-509 GREENWICH ST	507-509 GREENWICH ST	NY LTANKS	Higher	884, 0.167, NNE

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Q234	507-509 GREENWICH ST	507-509 GREENWICH ST	NY LTANKS	Higher	884, 0.167, NNE
P235	NYCDEP	47 RENWICK AVE	NY MANIFEST	Higher	889, 0.168, NE
P236	261 HUDSON STREET DE	261 HUDSON STREET	NY UST	Higher	893, 0.169, NE
P237	LOT 87,TAXBLOCK 594	261 HUDSON STREET	NY BROWNFIELDS, NY E DESIGNATION	Higher	893, 0.169, NE
P238	BRIDGE LAND HUDSON L	261 HUDSON ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	893, 0.169, NE
T239		57 BEACH ST	EDR US Hist Auto Stat	Higher	896, 0.170, SSE
Q240	BARRETTI CARTING COR	509 GREENWICH STREET	NY SWF/LF	Higher	911, 0.173, NNE
N241	AT & T	4 VESTRY ST EQUIP RM	RCRA-CESQG, FINDS	Higher	914, 0.173, ESE
N242	YURMAN DESIGN INC	24 VESTRY ST	RCRA-CESQG	Higher	914, 0.173, ESE
N243	THE PORT AUTHORITY O	4 VESTRY STREET	RCRA-LQG, NY MANIFEST, NY MANIFEST	Higher	914, 0.173, ESE
N244	PORT AUTHORITY OF NY	FOUR VESTRY ST	PA MANIFEST	Higher	914, 0.173, ESE
N245	HOLLAND TUNNEL NY FI	4-10 VESTRY ST	NY UST	Higher	914, 0.173, ESE
U246	MH37957	34 LAIGHT STREET	RCRA NonGen / NLR, NY MANIFEST	Higher	924, 0.175, ESE
Q247	NEW YORK TRUCK TERMI	325 SPRING STREET	NY UST	Higher	941, 0.178, NNE
Q248	UNITED PARCEL SERVIC	325 SPRING STREET	NY HIST UST	Higher	941, 0.178, NNE
Q249	CON EDISON - MANHOLE	332 SPRING ST	RCRA-LQG, FINDS, NY MANIFEST	Higher	942, 0.178, NNE
T250	CITIGROUP GLOBAL MAR	390 GREENWICH STREET	NY AST	Higher	948, 0.180, South
T251	CITI GROUP	390 GREENWICH STREET	PA MANIFEST	Higher	948, 0.180, South
S252	CON EDISON SERVICE B	WEST ST & SPRING ST	RCRA-CESQG, NY MANIFEST	Lower	952, 0.180, North
S253	CON EDISON SERVICE B	WEST ST & SPRING ST	RCRA-CESQG, NY MANIFEST	Lower	952, 0.180, North
P254	NYNEX	DOMINIC & HUDSON ST	NY MANIFEST	Higher	965, 0.183, NE
P255	CON EDISON SERVICE B	HUDSON ST & DOMINICK	RCRA-CESQG, NY MANIFEST	Higher	965, 0.183, NE
V256	TRIDENT MAILING SERV	315 SPRING ST	NY UST, NY HIST UST	Higher	968, 0.183, NNE
V257	CON EDISON MANHOLE 3	GREENWICH ST & SPRIN	RCRA NonGen / NLR, NY MANIFEST	Higher	970, 0.184, NNE
V258	CONSOLIDATED EDISON	MH36311-SPRING & GRE	NY MANIFEST	Higher	973, 0.184, NNE
V259	CON EDISON VAULT: 77	515 GREENWICH ST FRO	RCRA NonGen / NLR, NY MANIFEST	Higher	975, 0.185, NNE
V260	CON EDISON MANHOLE:	515 GREENWICH ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	975, 0.185, NNE
V261	515 GREENWICH STREET	515 GREENWICH STREET	NY UST, NY HIST UST, NY E DESIGNATION	Higher	975, 0.185, NNE
T262	CITIGROUP	388 GREENWICH STREET	NY AST	Higher	975, 0.185, South
W263	CON EDISON SERVICE B	431 CANAL ST FRONT O	RCRA-CESQG, FINDS, NY MANIFEST	Higher	980, 0.186, East
U264	MAZDA REALTY	13-17 LAIGHT STREET	NY AST	Higher	981, 0.186, ESE
V265	CON EDISON SERVICE B	309 SPRING ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	995, 0.188, NNE
V266	CON ED	309 SPRING ST	NY MANIFEST	Higher	995, 0.188, NNE
Q267	CON EDISON SERVICE B	505 WASHINGTON ST OP	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1015, 0.192, NNE
Q268	CON EDISON SERVICE B	505 WASHINGTON ST	RCRA-CESQG, NY MANIFEST	Higher	1015, 0.192, NNE
V269	CON EDISON SERVICE B	310 SPRING ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1017, 0.193, NNE
V270	CON EDISON SERVICE B	307 SPRING ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1018, 0.193, NNE
V271	CON ED	307 SPRING ST	NY MANIFEST	Higher	1018, 0.193, NNE
T272	FISCHER MILLS BUILDI	387-397 GREENWICH ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1022, 0.194, South

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V273	47 RENWICK STREET	47 RENWICK ST (308 S	NY AST	Higher	1031, 0.195, NE
V274	CON EDISON SERVICE B	SPRING ST & RENWICK	RCRA-CESQG, NY MANIFEST	Higher	1037, 0.196, NE
X275	CON EDISON MANHOLE 6	N MOORE ST & W SIDE	RCRA NonGen / NLR, NY MANIFEST	Lower	1064, 0.202, SSW
X276	CON EDISION - MH4012	N.MOORE ST.AND WEST	RCRA NonGen / NLR, NY MANIFEST	Lower	1068, 0.202, SSW
V277	UNITED PARCEL SERVIC	522 GREENWICH ST (32	NY UST	Higher	1072, 0.203, NNE
V278	522 GREENWICH AV/MAN	522 GREENWICH AVENUE	NY LTANKS	Higher	1075, 0.204, NNE
V279	V0508	866 WASHINGTON AVENU	RCRA NonGen / NLR, NY MANIFEST	Higher	1078, 0.204, NNE
W280	21ST CENTURY OPTICS	75 VARICK ST 11TH FL	RCRA NonGen / NLR, FINDS	Higher	1100, 0.208, East
W281	75 VARICK ST	75 VARICK STREET	NY AST	Higher	1100, 0.208, East
W282	EUROPADISK LTD	75 VARICK ST - ROOM	RCRA-SQG, FINDS, NY MANIFEST	Higher	1100, 0.208, East
W283	FEN & FEN/UNIQUE LIT	75 VARICK ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1100, 0.208, East
W284	CON EDISION - MH4735	75 VARICK ST 75 VARI	RCRA NonGen / NLR, NY MANIFEST	Higher	1100, 0.208, East
W285	ONE HUDSON SQUARE	75 VARICK ST 8TH FLO	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1100, 0.208, East
W286		75 VARICK ST	EDR US Hist Auto Stat	Higher	1100, 0.208, East
W287	D & L OFFSET LITHOGR	75 VARICK ST - 7TH F	RCRA NonGen / NLR, NY MANIFEST	Higher	1100, 0.208, East
W288	75 VARICK ST	75 VARICK STREET	NY UST	Higher	1100, 0.208, East
W289	COMERCIAL PROPERTY	75 VARICK ST - MAIN	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1100, 0.208, East
W290	CONTEL IPC	75 VARICK ST	RCRA NonGen / NLR	Higher	1100, 0.208, East
W291	CON EDISON SERVICE B	75 VARICK ST & GRAND	RCRA NonGen / NLR, NY MANIFEST	Higher	1100, 0.208, East
292	WB ENTRANCE TO	HOLLAND TUNNEL	NY LTANKS	Lower	1105, 0.209, North
Y293	CON EDISON SERVICE B	511 WASHINGTON ST OP	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1109, 0.210, NNE
V294	CON EDISON	523 GREENWICH ST	NY MANIFEST	Higher	1118, 0.212, NNE
V295	CON EDISON SERVICE B	523 GREENWICH ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1118, 0.212, NNE
Z296		36 ERICSSON PL	EDR US Hist Auto Stat	Higher	1125, 0.213, SE
AA297	CON EDISON VAULT: 91	74 N MOORE ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1130, 0.214, SSE
AA298	CON EDISON VAULT SUB	74 N MOORE ST FRONT	RCRA NonGen / NLR, NY MANIFEST	Higher	1130, 0.214, SSE
Y299	CON EDISON SERVICE B	513 WASHINGTON ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1141, 0.216, NNE
U300	CON EDISON SERVICE B	LAIGHT & VARICK ST	RCRA-CESQG, NY MANIFEST	Higher	1150, 0.218, ESE
U301	CON EDISON MANHOLE:	VARICK ST & LAIGHT S	RCRA-CESQG, NY MANIFEST	Higher	1150, 0.218, ESE
AB302	CON EDISON SERVICE B	SPRING ST & HUDSON S	RCRA-CESQG, NY MANIFEST	Higher	1151, 0.218, NE
V303	CON EDISON	525 GREENWICH ST	NY MANIFEST	Higher	1153, 0.218, NNE
W304	MTA NYCT - CANAL STR	CANAL & VARICK ST	RCRA-SQG, NY MANIFEST	Higher	1160, 0.220, ESE
AB305	EN TRANS	300 HUDSON ST	RCRA NonGen / NLR, FINDS	Higher	1161, 0.220, NE
W306	VARICK STREET DRY CL	80 VARICK ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1163, 0.220, East
W307	80 VARICK STREET GRO	80-92 VARICK STREET	NY AST	Higher	1163, 0.220, East
W308	NYNEX	VARICK & CANAL ST SE	NY MANIFEST	Higher	1163, 0.220, ESE
W309	GRAND VARICK CORP (T	76 VARICK STREET	NY AST	Higher	1165, 0.221, East
W310	PARISH OF TRINITY CH	76 VARICK ST - ABAND	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1165, 0.221, East
W311	CHASE BANK	74 VARICK STREET	NY LTANKS, NY E DESIGNATION	Higher	1165, 0.221, ESE

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AA312	LEICESTERSHIRE ARMS	55 N MOORE ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1184, 0.224, SSE
AA313	FEDERAL BUREAU OF IN	56 N MOORE ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1192, 0.226, SSE
AC314	CON EDISON SERVICE B	568 BROOME ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1198, 0.227, ENE
Y315	CON EDISON SERVICE B	517 WASHINGTON ST OP	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1203, 0.228, NNE
AC316	SAGE PLATE SERVICE C	121 VARICK ST	RCRA NonGen / NLR, NY MANIFEST, NY Spills	Higher	1209, 0.229, ENE
AC317	121 VARICK STREET CO	121 VARICK STREET	NY UST, NY HIST UST, NY AST	Higher	1209, 0.229, ENE
AC318	SAGE PLATE SERVICE C	121 VARICK ST	RCRA NonGen / NLR	Higher	1209, 0.229, ENE
AB319	PARISH OF TRINITY CH	304 HUDSON ST 7TH FL	RCRA NonGen / NLR, FINDS, NY MANIFEST, NY E...	Higher	1224, 0.232, NE
V320	CON EDISON	528 GREENWICH ST	RCRA-CESQG	Higher	1224, 0.232, NNE
AC321	CON EDISON	100 VARICK ST	NY MANIFEST	Higher	1225, 0.232, ENE
Z322	CON EDISON MANHOLE:	HUDSON ST & MOORE ST	RCRA-CESQG, NY MANIFEST	Higher	1234, 0.234, SSE
Z323	CONSOLIDATED EDISON	HUDSON STREET AND NO	NY MANIFEST	Higher	1234, 0.234, SSE
Z324	CON EDISON SERVICE B	HUDSON ST & MOORE ST	RCRA-CESQG, NY MANIFEST	Higher	1234, 0.234, SSE
AD325	DIGITAL DIRIGIBLE	417 CANAL ST - 8TH F	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1236, 0.234, ESE
AD326	417 CANAL ST	417 CANAL ST	NY AST, NY HIST AST, NY Spills, NY E DESIGNATION	Higher	1236, 0.234, ESE
AA327	SPILL NUMBER 0212088	119 HUDSON STREET	NY LTANKS	Higher	1238, 0.234, SSE
AC328	CON EDISON VAULT: 98	51 DOMINICK ST	RCRA NonGen / NLR, NY MANIFEST	Higher	1241, 0.235, ENE
Y329	CON EDISION - MH3631	VANDAM ST. AND GREEN	RCRA NonGen / NLR, NY MANIFEST	Higher	1243, 0.235, NNE
AA330	377 GREENWICH STREET	377 GREENWICH STREET	NY BROWNFIELDS, NY E DESIGNATION	Higher	1243, 0.235, South
AC331	CON EDISON	VARICK ST BTWN WATTS	RCRA-CESQG, NY MANIFEST	Higher	1243, 0.235, ENE
AA332	117-119 HUDSON STREE	117-119 HUDSON STREE	NY AST	Higher	1259, 0.238, SSE
333	V-DOG CONDOMINIUM	95 VANDAM STREET	NY AST	Higher	1264, 0.239, NNE
AB334	CON EDISON SERVICE B	278 SPRING ST	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1274, 0.241, NE
Z335	WHITE GLOVE VALET	39 N MOORE ST	RCRA NonGen / NLR, FINDS, NY MANIFEST	Higher	1277, 0.242, SSE
Z336	WHITE GLOVE CLEANERS	39 NORTH MOORE STREE	NY DRYCLEANERS	Higher	1277, 0.242, SSE
Z337	WHITE GLOVE VELET CL	39 N MOORE ST	RCRA NonGen / NLR	Higher	1277, 0.242, SSE
Z338	NEW YORK BLOOD CENTE	22 ERICSSON PLACE	NY AST, NY HIST AST	Higher	1295, 0.245, SE
Y339	CON EDISON SERVICE B	523 WASHINGTON ST FR	RCRA-CESQG, FINDS, NY MANIFEST	Higher	1297, 0.246, NNE
AC340	CON EDISON - SERVICE	38 DOMINICK ST	RCRA-LQG, FINDS, NY MANIFEST	Higher	1309, 0.248, ENE
AC341	ALISON ON DOMINICK S	38 DOMINICK ST	NY LTANKS	Higher	1309, 0.248, ENE
AB342	PRUDENTIAL SECURITIE	315 HUDSON ST	RCRA NonGen / NLR, FINDS	Higher	1312, 0.248, NE
AB343	315 HUDSON STREET	315 HUDSON STREET	NY AST, NY Spills	Higher	1312, 0.248, NE
AB344	CON EDISON	315 HUDSON ST	RCRA-CESQG, NY MANIFEST	Higher	1312, 0.248, NE
345		370 GREENWICH ST	EDR US Hist Cleaners	Higher	1313, 0.249, South
AE346	HRH CONSTRUCTION COR	101 AVENUE OF AMERIC	NY LTANKS	Higher	1490, 0.282, East
347	APARTMENTS	11-17 BEACH ST	NY LTANKS	Higher	1496, 0.283, SE
348	BATTERY PARK BALLFIE	WEST ST MURRAY & N.	NY LTANKS, NY Spills	Lower	1531, 0.290, SSW
349	APT BUILDING	98 CHARLTON ST	NY LTANKS	Higher	1593, 0.302, NNE
AE350	RESIDENTIAL BUILDING	34 WATT STREET	NY LTANKS	Higher	1635, 0.310, East

MAPPED SITES SUMMARY

Target Property Address:
440 WASHINGTON STREET
NEW YORK, NY 10013

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
351	MOBIL OIL CORP SS #5	386 CANAL ST	RCRA NonGen / NLR, FINDS, NY LTANKS, NY MANIFEST,...	Higher	1717, 0.325, ESE
AF352	COMERCIAL PROPERTY	155 6TH AVE	NY LTANKS	Higher	1741, 0.330, ENE
AF353	MOBIL S/S#17-AML	140-52 6TH AVE	NY LTANKS, NY Spills	Higher	1844, 0.349, ENE
354	211 WEST BROADWAY	211 WEST BROADWAY	NY LTANKS	Higher	1847, 0.350, SE
AF355	SPRING AMERICA	161 6TH AVENUE	NY LTANKS	Higher	1869, 0.354, ENE
356	SPILL NUMBER 0103173	560 WASHINGTON ST	NY LTANKS, NY Spills	Higher	1915, 0.363, North
357	BUILDING SERVICES HQ	58-52 GRAND AVENUE	NY LTANKS	Higher	1931, 0.366, East
AG358	L. PROVENZANO INC	180 WEST BROADWAY	NY LTANKS, NY UST, NY HIST UST, NY Spills	Higher	1988, 0.377, SSE
359	W & J GARAGE	360 WEST BROADWAY	NY LTANKS, NY UST, NY Spills	Higher	1989, 0.377, East
360	LITTLE RED SCHOOL HO	40 CHARLTON STREET	NY LTANKS	Higher	2040, 0.386, NE
AH361	50 KING STREET	50 KING STREET	NY LTANKS, NY UST, NY HIST UST, NY Spills	Higher	2146, 0.406, NE
AH362	AJ CLARKE MGT	50 KING STREET	NY LTANKS	Higher	2146, 0.406, NE
AG363	51 LEONARD STREET	51 LEONARD STREET	NY LTANKS	Higher	2165, 0.410, SSE
AH364	GSA BUILDING SITE	201 VARICK ST	NY HSWDS	Higher	2180, 0.413, NE
AH365	GENERAL SERVICES ADM	201 VARICK STREET	CERC-NFRAP, RCRA NonGen / NLR, NY MANIFEST	Higher	2180, 0.413, NE
366	250 CHURCH ST	250 CHURCH ST	NY LTANKS	Higher	2208, 0.418, SE
367	390 WEST BROADWAY	390 WEST BROADWAY	NY LTANKS, NY Spills	Higher	2208, 0.418, East
AI368	SPILL NUMBER 9813390	DUANE & BROADWAY	NY LTANKS	Higher	2242, 0.425, SSE
AJ369	TANK TEST FAILURE	40 WORTH STREET	NY LTANKS, NY Spills	Higher	2306, 0.437, SSE
AK370	39 WHITE ST	39 WHITE ST	NY LTANKS	Higher	2306, 0.437, SE
AK371	SPILL NUMBER 9900783	42 WHITE ST	NY LTANKS	Higher	2336, 0.442, SE
372	SPILL NUMBER 9810677	33 GREENE ST	NY LTANKS	Higher	2337, 0.443, ESE
AI373	137 WEST BROADWAY	137 WEST BROADWAY	NY LTANKS	Higher	2352, 0.445, SSE
AL374	ATLAS PAPER STOCK CO	589 WASHINGTON STREE	NY SWRCY, NY UST	Higher	2356, 0.446, North
AM375	ADAMS & ADAMS	476 BROOME STREET	NY LTANKS, NY HIST AST	Higher	2382, 0.451, East
AJ376	62 THOMAS STREET	62 THOMAS STREET	NY LTANKS, NY Spills	Higher	2420, 0.458, SSE
377	60 LISPENARD ST	60 LISPENARD ST	NY LTANKS	Higher	2421, 0.459, ESE
AN378	PROPERTIES SOLUTIONS	155 SPRING STREET	NY LTANKS	Higher	2449, 0.464, East
AM379	CBJE CONDO LTD TTF	472 BROOME ST	NY LTANKS	Higher	2468, 0.467, East
AK380	PRIVATE HOME	58 WHITE STREET	NY LTANKS	Higher	2513, 0.476, SE
381	GOING AWAY LCC	22 MERCER STREET	NY LTANKS	Higher	2527, 0.479, ESE
AL382	YELLOW FREIGHT SYSTE	149 LEROY ST	RCRA NonGen / NLR, FINDS, NY LTANKS, NY Spills	Higher	2548, 0.483, North
383	APARTMENT BUILDING	144 DUANE ST.	NY LTANKS	Higher	2550, 0.483, SSE
AO384	SPILL NUMBER 9810520	130 LEROY STREET	NY LTANKS	Higher	2555, 0.484, NNE
AN385	COMMERCIAL BUILDING	145 SPRING ST	NY LTANKS	Higher	2559, 0.485, East
AM386	APT BUILDING	62 GREENE ST	NY LTANKS	Higher	2564, 0.486, East
AM387	TTF	65 GREENE STREET	NY LTANKS	Higher	2571, 0.487, East
AL388	601 WASHINGTON STREE	601 WASHINGTON STREE	NY Spills, NY BROWNFIELDS, NY E DESIGNATION	Higher	2583, 0.489, NNE
AO389	111 LEROY ST	111 LEROY ST	NY LTANKS, NY Spills	Higher	2607, 0.494, NNE

MAPPED SITES SUMMARY

Target Property Address:
440 WASHINGTON STREET
NEW YORK, NY 10013

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
390	SPILL NUMBER 0112067	2 KING ST	NY LTANKS	Higher	2630, 0.498, NE
391	HUDSON DRY CLEANERS	462 HUDSON STREET	NY SHWS, NY DRYCLEANERS	Higher	3145, 0.596, NNE
392	CON EDISON - CANAL S	CANAL STREET	EDR MGP	Higher	3357, 0.636, ESE
393	CON EDISON - CROSS/L	60 CENTRE ST	EDR MGP	Higher	3763, 0.713, SE
394	CON EDISON - HESTER	HESTER STREET	EDR MGP	Higher	4422, 0.837, ESE
395	CON EDISON - ROOSEVE	PEARL ST. BETWEEN PA	EDR MGP	Higher	4966, 0.941, SE

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
LOT 15,TAXBLOCK 223 432 WASHINGTON STREE MANHATTAN, NY	NY E DESIGNATION	N/A
432 WASHINGTON ST 432 WASHINGTON ST NEW YORK, NY 10013	EDR US Hist Auto Stat	N/A
CON EDISON SERVICE B 432 WASHINGTON ST FR NEW YORK, NY 10013	RCRA-CESQG EPA ID:: NYP004285417 FINDS Registry ID:: 110055467784 NY MANIFEST EPA ID: NYP004285417	NYP004285417

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS ---------- Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State- and tribal - equivalent CERCLIS

NJ SHWS ---------- Known Contaminated Sites in New Jersey
NY VAPOR REOPENED ---------- Vapor Intrusion Legacy Site List

State and tribal landfill and/or solid waste disposal site lists

NJ SWF/LF ---------- Solid Waste Facility Directory

State and tribal leaking storage tank lists

NY HIST LTANKS ---------- Listing of Leaking Storage Tanks
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NJ UST ---------- Underground Storage Tank Data
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF UST ---------- Major Oil Storage Facilities Database
NY CBS AST ---------- Chemical Bulk Storage Database
NY MOSF AST ---------- Major Oil Storage Facilities Database
NY MOSF ---------- Major Oil Storage Facility Site Listing
NY CBS ---------- Chemical Bulk Storage Site Listing
INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NJ ENG CONTROLS ---------- Declaration Environmental Restriction/Deed Notice Sites
NJ INST CONTROL ---------- Classification Exception Area Sites

State and tribal voluntary cleanup sites

NY VCP ---------- Voluntary Cleanup Agreements
NJ VCP ---------- Voluntary Cleanup Program Sites
INDIAN VCP ---------- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ---------- Environmental Restoration Program Listing
NJ BROWNFIELDS ---------- Brownfields Database

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS ---------- A Listing of Brownfields Sites

EXECUTIVE SUMMARY

Local Lists of Landfill / Solid Waste Disposal Sites

ODI	Open Dump Inventory
DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations
NY SWTIRE	Registered Waste Tire Storage & Facility List
NJ SWRCY	Approved Class B Recycling Facilities
INDIAN ODI	Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL	Clandestine Drug Labs
NY DEL SHWS	Delisted Registry Sites
US HIST CDL	National Clandestine Laboratory Register

Local Land Records

LIENS 2	CERCLA Lien Information
NY LIENS	Spill Liens Information
NJ LIENS	Environmental LIENS

Records of Emergency Release Reports

HMIRS	Hazardous Materials Information Reporting System
NY Hist Spills	SPILLS Database
NY SPILLS 80	SPILLS 80 data from FirstSearch
NY SPILLS 90	SPILLS 90 data from FirstSearch
NJ SPILLS 90	SPILLS 90 data from FirstSearch
NJ SPILLS 80	SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOT OPS	Incident and Accident Data
DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
UMTRA	Uranium Mill Tailings Sites
US MINES	Mines Master Index File
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing
SSTS	Section 7 Tracking Systems
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
RADINFO	Radiation Information Database
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
NY UIC	Underground Injection Control Wells
NJ UIC	Underground Injection Wells Database
NJ DRYCLEANERS	Drycleaner List
NY SPDES	State Pollutant Discharge Elimination System
NJ NPDES	New Jersey Pollutant Discharge Elimination System Dischargers
NY AIRS	Air Emissions Data
NJ AIRS	Emissions Inventory Listing

INDIAN RESERV Indian Reservations
SCRD DRYCLEANERS State Coalition for Remediation of Drycleaners Listing
NY Financial Assurance Financial Assurance Information Listing
NY COAL ASH Coal Ash Disposal Site Listing
PCB TRANSFORMER PCB Transformer Registration Database
COAL ASH DOE Steam-Electric Plant Operation Data
2020 COR ACTION 2020 Corrective Action Program List
LEAD SMELTERS Lead Smelter Sites
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
EPA WATCH LIST EPA WATCH LIST
US FIN ASSUR Financial Assurance Information
NJ COAL ASH Coal Ash Listing
NJ Financial Assurance Financial Assurance Information Listing

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA LF Recovered Government Archive Solid Waste Facilities List
NY RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
NJ RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
NJ RGA LF Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

A review of the NPL list, as provided by EDR, and dated 12/16/2014 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.087 mi.)***	***0***	***10***

EXECUTIVE SUMMARY

Federal CERCLIS list

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	*NO STREET APPLICABLE*	*W 0 - 1/8 (0.087 mi.)*	*0*	*10*

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 10/25/2013 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GENERAL SERVICES ADM	*201 VARICK STREET*	*NE 1/4 - 1/2 (0.413 mi.)*	*AH365*	*1011*

Federal RCRA generators list

RCRA-LQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

A review of the RCRA-LQG list, as provided by EDR, and dated 12/09/2014 has revealed that there are 11 RCRA-LQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - VAULT S	*398 WASHINGTON ST*	*S 0 - 1/8 (0.063 mi.)*	*F81*	*199*
CON EDISON - SERVICE	*SWC CANAL ST AND GRE*	*NE 0 - 1/8 (0.099 mi.)*	*G122*	*330*
CON EDISON - MANHOLE	*NW CO WASHINGTON ST*	*NNE 0 - 1/8 (0.115 mi.)*	*K168*	*441*
CON EDISON - SERVICE	*185 HUDSON ST*	*E 0 - 1/8 (0.124 mi.)*	*I184*	*476*
CON EDISON - MANHOLE	*W HUDSON ST. & D*	*E 0 - 1/8 (0.125 mi.)*	*I189*	*488*
CON EDISON - SERVICE	*175 HUDSON ST*	*ESE 1/8 - 1/4 (0.126 mi.)*	*N192*	*496*
CITIGROUP	*390 GREENWICH ST*	*S 1/8 - 1/4 (0.126 mi.)*	*M193*	*498*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
471 WASHINGTON STREE	*471 WASHINGTON ST*	*NNE 1/8 - 1/4 (0.129 mi.)*	*L200*	*523*
THE PORT AUTHORITY O	*4 VESTRY STREET*	*ESE 1/8 - 1/4 (0.173 mi.)*	*N243*	*617*
CON EDISON - MANHOLE	*332 SPRING ST*	*NNE 1/8 - 1/4 (0.178 mi.)*	*Q249*	*666*
CON EDISON - SERVICE	*38 DOMINICK ST*	*ENE 1/8 - 1/4 (0.248 mi.)*	*AC340*	*933*

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/09/2014 has revealed that there are 3 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	*NO STREET APPLICABLE*	*W 0 - 1/8 (0.087 mi.)*	*0*	*10*
EUROPADISK LTD	*75 VARICK ST - ROOM*	*E 1/8 - 1/4 (0.208 mi.)*	*W282*	*741*
MTA NYCT - CANAL STR	*CANAL & VARICK ST*	*ESE 1/8 - 1/4 (0.220 mi.)*	*W304*	*802*

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/09/2014 has revealed that there are 65 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE B	*442 WASHINGTON ST FR*	*NE 0 - 1/8 (0.001 mi.)*	*A6*	*61*
CON EDISON SERVICE B	*429 WASHINGTON ST*	*SSE 0 - 1/8 (0.006 mi.)*	*A18*	*73*
CON EDISON SERVICE B	*VESTRY ST & WASHINGT*	*SSE 0 - 1/8 (0.012 mi.)*	*A21*	*79*
CON EDISON SERVICE B	*VESTRY ST & WASHINGT*	*SSE 0 - 1/8 (0.012 mi.)*	*A22*	*81*
CON EDISON SERVICE B	*WASHINGTON ST & VEST*	*SSE 0 - 1/8 (0.012 mi.)*	*A23*	*83*
CON EDISON SERVICE B	*VESTRY ST & WASHINGT*	*SSE 0 - 1/8 (0.012 mi.)*	*A24*	*85*
CON EDISON SERVICE B	*61 VESTRY ST FRONT O*	*SSE 0 - 1/8 (0.013 mi.)*	*A26*	*88*
CON EDISON SERVICE B	63 VESTRY ST	SSE 0 - 1/8 (0.013 mi.)	A27	90
CON EDISON SERVICE B	*442 442 WASHINGTON S*	*NNE 0 - 1/8 (0.017 mi.)*	*A32*	*96*
CON EDISON SERVICE B	*449 WASHINGTON ST OP*	*NNE 0 - 1/8 (0.023 mi.)*	*A34*	*99*
CON EDISON SERVICE B	*52 VESTRY ST FRONT O*	*SE 0 - 1/8 (0.031 mi.)*	*B42*	*109*
CON EDISON SERVICE B	*416 WASHINGTON ST*	*S 0 - 1/8 (0.042 mi.)*	*B47*	*118*
CON EDISON SERVICE B	*414 WASHINGTON ST*	*S 0 - 1/8 (0.049 mi.)*	*B63*	*138*
CON EDISON SERVICE B	*84 LAIGHT ST*	*SSW 0 - 1/8 (0.057 mi.)*	*C73*	*185*
CON EDISON SERVICE B	*69 LAIGHT ST FRONT O*	*SSE 0 - 1/8 (0.063 mi.)*	*B80*	*197*
CON EDISON SERVICE B	*40 VESTRY ST*	*ESE 0 - 1/8 (0.077 mi.)*	*B90*	*229*
CON EDISON SERVICE B	*463 WASHINGTON ST*	*NNE 0 - 1/8 (0.089 mi.)*	*D102*	*243*
CON EDISON SERVICE B	*463 WASHINGTON ST OP*	*NNE 0 - 1/8 (0.089 mi.)*	*D103*	*245*
CON EDISON SERVICE B	*57 LAIGHT ST FRONT O*	*SE 0 - 1/8 (0.098 mi.)*	*J112*	*282*
CON EDISON SERVICE B	*508 CANAL ST*	*NNE 0 - 1/8 (0.100 mi.)*	*L125*	*336*
CON EDISON SERVICE B	*31 VESTRY ST*	*ESE 0 - 1/8 (0.100 mi.)*	*I126*	*339*
CON EDISON SERVICE B	*510 CANAL ST*	*NNE 0 - 1/8 (0.101 mi.)*	*L130*	*350*

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE B	*483 GREENWICH ST*	*NE 0 - 1/8 (0.111 mi.)*	*L146*	*400*
CON EDISON SERVICE B	*483 GREENWICH ST*	*NE 0 - 1/8 (0.111 mi.)*	*L147*	*402*
CON EDISON SERVICE B	*484 GREENWICH ST*	*NNE 0 - 1/8 (0.111 mi.)*	*L152*	*407*
CUNY HUNTER COLLEGE	*205 HUDSON ST - FLOO*	*E 0 - 1/8 (0.113 mi.)*	*I160*	*424*
CON EDISON SERVICE B	*CANAL ST & WASHINGTO*	*NNE 0 - 1/8 (0.115 mi.)*	*K164*	*433*
CON EDISON MANHOLE:	*CANAL ST & WASHINGTO*	*NNE 0 - 1/8 (0.115 mi.)*	*K165*	*435*
CON EDISON SERVICE B	*CANAL ST & WASHINGTO*	*NNE 0 - 1/8 (0.115 mi.)*	*K166*	*437*
CON EDISON MANHOLE:	*CANAL ST & WASHINGTO*	*NNE 0 - 1/8 (0.115 mi.)*	*K167*	*439*
CON EDISON SERVICE B	*491 GREENWICH ST*	*NNE 1/8 - 1/4 (0.130 mi.)*	*L201*	*527*
CON EDISON SERVICE B	*HUDSON ST AND CANAL*	*E 1/8 - 1/4 (0.134 mi.)*	*O204*	*532*
CON EDISON SERVICE B	*26 RENWICK ST FRONT*	*NE 1/8 - 1/4 (0.139 mi.)*	*P208*	*539*
CON EDISON SERVICE B	*495 GREENWICH ST*	*NNE 1/8 - 1/4 (0.140 mi.)*	*L210*	*545*
CON EDISON SERVICE B	*465 CANAL ST*	*E 1/8 - 1/4 (0.143 mi.)*	*O211*	*547*
CON EDISON SERVICE B	*465 CANAL ST*	*E 1/8 - 1/4 (0.143 mi.)*	*O212*	*549*
CON EDISON SERVICE B	*439 CANAL ST*	*E 1/8 - 1/4 (0.148 mi.)*	*O216*	*558*
AT & T	*4 VESTRY ST EQUIP RM*	*ESE 1/8 - 1/4 (0.173 mi.)*	*N241*	*614*
YURMAN DESIGN INC	24 VESTRY ST	ESE 1/8 - 1/4 (0.173 mi.)	N242	616
CON EDISON SERVICE B	*HUDSON ST & DOMINICK*	*NE 1/8 - 1/4 (0.183 mi.)*	*P255*	*679*
CON EDISON MANHOLE:	*515 GREENWICH ST*	*NNE 1/8 - 1/4 (0.185 mi.)*	*V260*	*689*
CON EDISON SERVICE B	*431 CANAL ST FRONT O*	*E 1/8 - 1/4 (0.186 mi.)*	*W263*	*698*
CON EDISON SERVICE B	*505 WASHINGTON ST OP*	*NNE 1/8 - 1/4 (0.192 mi.)*	*Q267*	*705*
CON EDISON SERVICE B	*505 WASHINGTON ST*	*NNE 1/8 - 1/4 (0.192 mi.)*	*Q268*	*707*
CON EDISON SERVICE B	*SPRING ST & RENWICK*	*NE 1/8 - 1/4 (0.196 mi.)*	*V274*	*719*
CON EDISON SERVICE B	*511 WASHINGTON ST OP*	*NNE 1/8 - 1/4 (0.210 mi.)*	*Y293*	*784*
CON EDISON SERVICE B	*513 WASHINGTON ST*	*NNE 1/8 - 1/4 (0.216 mi.)*	*Y299*	*793*
CON EDISON SERVICE B	*LAIGHT & VARICK ST*	*ESE 1/8 - 1/4 (0.218 mi.)*	*U300*	*795*
CON EDISON MANHOLE:	*VARICK ST & LAIGHT S*	*ESE 1/8 - 1/4 (0.218 mi.)*	*U301*	*797*
CON EDISON SERVICE B	*SPRING ST & HUDSON S*	*NE 1/8 - 1/4 (0.218 mi.)*	*AB302*	*799*
PARISH OF TRINITY CH	*76 VARICK ST - ABAND*	*E 1/8 - 1/4 (0.221 mi.)*	*W310*	*824*
CON EDISON SERVICE B	*517 WASHINGTON ST OP*	*NNE 1/8 - 1/4 (0.228 mi.)*	*Y315*	*843*
CON EDISON	528 GREENWICH ST	NNE 1/8 - 1/4 (0.232 mi.)	V320	891
CON EDISON MANHOLE:	*HUDSON ST & MOORE ST*	*SSE 1/8 - 1/4 (0.234 mi.)*	*Z322*	*893*
CON EDISON SERVICE B	*HUDSON ST & MOORE ST*	*SSE 1/8 - 1/4 (0.234 mi.)*	*Z324*	*898*
CON EDISON	*VARICK ST BTWN WATTS*	*ENE 1/8 - 1/4 (0.235 mi.)*	*AC331*	*915*
CON EDISON SERVICE B	*278 SPRING ST*	*NE 1/8 - 1/4 (0.241 mi.)*	*AB334*	*921*
CON EDISON SERVICE B	*523 WASHINGTON ST FR*	*NNE 1/8 - 1/4 (0.246 mi.)*	*Y339*	*931*
CON EDISON	*315 HUDSON ST*	*NE 1/8 - 1/4 (0.248 mi.)*	*AB344*	*944*

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE B	*88 LAIGHT ST FRONT O*	*SSW 0 - 1/8 (0.059 mi.)*	*C74*	*188*
CON EDISON SERVICE B	*88 LAIGHT ST FRONT O*	*SSW 0 - 1/8 (0.059 mi.)*	*C75*	*190*
NYC SANITAION - J SC	*297 WEST ST MW1*	*N 0 - 1/8 (0.105 mi.)*	*K135*	*371*
CON EDISON MANHOLE:	*WEST ST & HUBERT ST*	*SSW 0 - 1/8 (0.109 mi.)*	*H142*	*395*
CON EDISON SERVICE B	*WEST ST & SPRING ST*	*N 1/8 - 1/4 (0.180 mi.)*	*S252*	*674*
CON EDISON SERVICE B	*WEST ST & SPRING ST*	*N 1/8 - 1/4 (0.180 mi.)*	*S253*	*676*

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 09/18/2014 has revealed that

there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.087 mi.)***	***0***	***10***

US INST CONTROL: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROL list, as provided by EDR, and dated 09/18/2014 has revealed that there is 1 US INST CONTROL site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.087 mi.)***	***0***	***10***

State- and tribal - equivalent CERCLIS

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

A review of the NY SHWS list, as provided by EDR, and dated 03/25/2015 has revealed that there is 1 NY SHWS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON DRY CLEANERS Site Code: 486480	***462 HUDSON STREET***	***NNE 1/2 - 1 (0.596 mi.)***	***391***	***1075***

State and tribal landfill and/or solid waste disposal site lists

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

A review of the NY SWF/LF list, as provided by EDR, and dated 01/06/2015 has revealed that there are 2 NY SWF/LF sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BARRETTI CARTING COR	509 GREENWICH STREET	NNE 1/8 - 1/4 (0.173 mi.)	Q240	613
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
VARLOTTA CONSTRUCTIO	WEST ST. & HUBERT ST	SSW 0 - 1/8 (0.109 mi.)	H143	397

State and tribal leaking storage tank lists

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

A review of the NY LTANKS list, as provided by EDR, and dated 03/19/2015 has revealed that there are 57 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
63 VESTRY STREET Program Number: 0410085 Spill Number/Closed Date: 0410085 / 3/16/2005 Site ID: 335075	67 VESTRY STREET	S 0 - 1/8 (0.013 mi.)	A30	95
443 GREENWICH ST Program Number: 9211278 Spill Number/Closed Date: 9211278 / 12/30/1992 Site ID: 91150	443 GREENWICH ST	ESE 0 - 1/8 (0.047 mi.)	B59	129
C TRUE BLDG CORP Program Number: 0100787 Spill Number/Closed Date: 0100787 / 7/14/2003 Site ID: 128028	465 GREENWICH ST	ENE 0 - 1/8 (0.057 mi.)	D72	184
PARKING GARAGE TTF Program Number: 1113267 Spill Number/Closed Date: 1113267 / Not Reported Site ID: 461247	422 GREENWICH ST	SSE 0 - 1/8 (0.073 mi.)	F85	204
FRATELLI BRANCA AND Program Number: 9516292 Spill Number/Closed Date: 9516292 / 3/19/1996 Site ID: 136842	115 WATT ST	E 0 - 1/8 (0.082 mi.)	G95	235
ANDREWS BLDG CORP Program Number: 1110168 Spill Number/Closed Date: 1110168 / 11/15/2011 Site ID: 457969	151 HUDSON ST	SE 1/8 - 1/4 (0.159 mi.)	R222	569
507-509 GREENWICH ST Program Number: 9806774 Spill Number/Closed Date: 9806774 / 9/9/1998 Site ID: 298985	507-509 GREENWICH ST	NNE 1/8 - 1/4 (0.167 mi.)	Q233	590
507-509 GREENWICH ST Program Number: 9006678 Spill Number/Closed Date: 9006678 / 12/3/1999 Site ID: 117540	507-509 GREENWICH ST	NNE 1/8 - 1/4 (0.167 mi.)	Q234	591
522 GREENWICH AV/MAN Program Number: 9100225 Spill Number/Closed Date: 9100225 / 2/9/1998 Site ID: 112363	522 GREENWICH AVENUE	NNE 1/8 - 1/4 (0.204 mi.)	V278	734
CHASE BANK Program Number: 0508831 Spill Number/Closed Date: 0508831 / 11/23/2005 Site ID: 354491	***74 VARICK STREET***	***ESE 1/8 - 1/4 (0.221 mi.)***	***W311***	***826***
SPILL NUMBER 0212088 Program Number: 0212088 Spill Number/Closed Date: 0212088 / 3/27/2003 Site ID: 200772	119 HUDSON STREET	SSE 1/8 - 1/4 (0.234 mi.)	AA327	909

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALISON ON DOMINICK S Program Number: 9612894 Spill Number/Closed Date: 9612894 / 1/6/2000 Site ID: 228963	38 DOMINICK ST	ENE 1/8 - 1/4 (0.248 mi.)	AC341	936
HRH CONSTRUCTION COR Program Number: 8910872 Spill Number/Closed Date: 8910872 / 10/21/2003 Site ID: 165222	101 AVENUE OF AMERIC	E 1/4 - 1/2 (0.282 mi.)	AE346	947
APARTMENTS Program Number: 0813458 Spill Number/Closed Date: 0813458 / 4/15/2009 Site ID: 411150	11-17 BEACH ST	SE 1/4 - 1/2 (0.283 mi.)	347	948
APT BUILDING Program Number: 1008195 Spill Number/Closed Date: 1008195 / 3/31/2011 Site ID: 441668	98 CHARLTON ST	NNE 1/4 - 1/2 (0.302 mi.)	349	952
RESIDENTIAL BUILDING Program Number: 1102101 Spill Number/Closed Date: 1102101 / Not Reported Site ID: 449593	34 WATT STREET	E 1/4 - 1/2 (0.310 mi.)	AE350	953
MOBIL OIL CORP SS #5 Program Number: 9601700 Program Number: 9512066 Spill Number/Closed Date: 9601700 / 5/7/1998 Spill Number/Closed Date: 9512066 / 5/7/1998 Site ID: 82182 Site ID: 59309	***386 CANAL ST***	***ESE 1/4 - 1/2 (0.325 mi.)***	***351***	***954***
COMERCIAL PROPERTY Program Number: 0311296 Spill Number/Closed Date: 0311296 / 3/6/2006 Site ID: 93835	155 6TH AVE	ENE 1/4 - 1/2 (0.330 mi.)	AF352	964
MOBIL S/S#17-AML Program Number: 8912181 Spill Number/Closed Date: 8912181 / 4/9/1990 Site ID: 106112	***140-52 6TH AVE***	***ENE 1/4 - 1/2 (0.349 mi.)***	***AF353***	***965***
211 WEST BROADWAY Program Number: 0003715 Spill Number/Closed Date: 0003715 / 11/14/2013 Site ID: 310138	211 WEST BROADWAY	SE 1/4 - 1/2 (0.350 mi.)	354	972
SPRING AMERICA Program Number: 9413221 Spill Number/Closed Date: 9413221 / 1/4/1995 Site ID: 273478	161 6TH AVENUE	ENE 1/4 - 1/2 (0.354 mi.)	AF355	974
SPILL NUMBER 0103173 Program Number: 9702743 Spill Number/Closed Date: 9702743 / 6/4/1997 Site ID: 197877	***560 WASHINGTON ST***	***N 1/4 - 1/2 (0.363 mi.)***	***356***	***975***
BUILDING SERVICES HQ Program Number: 9101777 Spill Number/Closed Date: 9101777 / 2/18/2005 Site ID: 167948	58-52 GRAND AVENUE	E 1/4 - 1/2 (0.366 mi.)	357	978

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
L. PROVENZANO INC	***180 WEST BROADWAY***	***SSE 1/4 - 1/2 (0.377 mi.)***	***AG358***	***980***
Program Number: 0408104				
Spill Number/Closed Date: 0408104 / 3/25/2005				
Site ID: 332742				
W & J GARAGE	***360 WEST BROADWAY***	***E 1/4 - 1/2 (0.377 mi.)***	***359***	***994***
Program Number: 9405382				
Program Number: 9411507				
Spill Number/Closed Date: 9405382 / 7/7/2000				
Spill Number/Closed Date: 9411507 / 6/20/2000				
Site ID: 270284				
Site ID: 270285				
LITTLE RED SCHOOL HO	40 CHARLTON STREET	NE 1/4 - 1/2 (0.386 mi.)	360	1000
Program Number: 0209395				
Spill Number/Closed Date: 0209395 / 7/24/2003				
Site ID: 322090				
50 KING STREET	***50 KING STREET***	***NE 1/4 - 1/2 (0.406 mi.)***	***AH361***	***1002***
Program Number: 9212531				
Spill Number/Closed Date: 9212531 / 2/5/1993				
Site ID: 155548				
AJ CLARKE MGT	50 KING STREET	NE 1/4 - 1/2 (0.406 mi.)	AH362	1007
Program Number: 9607652				
Spill Number/Closed Date: 9607652 / 9/18/1996				
Site ID: 155549				
51 LEONARD STREET	51 LEONARD STREET	SSE 1/4 - 1/2 (0.410 mi.)	AG363	1008
Program Number: 9211595				
Spill Number/Closed Date: 9211595 / 1/8/1993				
Site ID: 99473				
250 CHURCH ST	250 CHURCH ST	SE 1/4 - 1/2 (0.418 mi.)	366	1026
Program Number: 9611132				
Spill Number/Closed Date: 9611132 / 12/10/1996				
Site ID: 180655				
390 WEST BROADWAY	***390 WEST BROADWAY***	***E 1/4 - 1/2 (0.418 mi.)***	***367***	***1028***
Program Number: 0303372				
Spill Number/Closed Date: 0303372 / 12/16/2003				
Site ID: 140396				
SPILL NUMBER 9813390	DUANE & BROADWAY	SSE 1/4 - 1/2 (0.425 mi.)	AI368	1030
Program Number: 9813390				
Spill Number/Closed Date: 9813390 / 7/18/2003				
Site ID: 182775				
TANK TEST FAILURE	***40 WORTH STREET***	***SSE 1/4 - 1/2 (0.437 mi.)***	***AJ369***	***1031***
Program Number: 1307544				
Spill Number/Closed Date: 1307544 / Not Reported				
Site ID: 488216				
39 WHITE ST	39 WHITE ST	SE 1/4 - 1/2 (0.437 mi.)	AK370	1034
Program Number: 9112755				
Spill Number/Closed Date: 9112755 / 3/15/1992				
Site ID: 309664				
SPILL NUMBER 9900783	42 WHITE ST	SE 1/4 - 1/2 (0.442 mi.)	AK371	1035
Program Number: 9900783				
Spill Number/Closed Date: 9900783 / 1/13/2000				
Site ID: 254330				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 9810677 Program Number: 9810677 Spill Number/Closed Date: 9810677 / 11/23/1998 Site ID: 260983	33 GREENE ST	ESE 1/4 - 1/2 (0.443 mi.)	372	1036
137 WEST BROADWAY Program Number: 0313842 Spill Number/Closed Date: 0313842 / 3/21/2006 Site ID: 101632	137 WEST BROADWAY	SSE 1/4 - 1/2 (0.445 mi.)	AI373	1037
ADAMS & ADAMS Program Number: 0605754 Program Number: 0606003 Spill Number/Closed Date: 0605754 / Not Reported Spill Number/Closed Date: 0606003 / 4/16/2007 Site ID: 368984 Site ID: 369287	***476 BROOME STREET***	***E 1/4 - 1/2 (0.451 mi.)***	***AM375***	***1043***
62 THOMAS STREET Program Number: 9416643 Spill Number/Closed Date: 9416643 / 2/12/2004 Site ID: 273568	***62 THOMAS STREET***	***SSE 1/4 - 1/2 (0.458 mi.)***	***AJ376***	***1047***
60 LISPENARD ST Program Number: 9112756 Spill Number/Closed Date: 9112756 / 3/15/1992 Site ID: 102230	60 LISPENARD ST	ESE 1/4 - 1/2 (0.459 mi.)	377	1049
PROPERTIES SOLUTIONS Program Number: 0514284 Spill Number/Closed Date: 0514284 / 11/23/2007 Site ID: 360975	155 SPRING STREET	E 1/4 - 1/2 (0.464 mi.)	AN378	1050
CBJE CONDO LTD TTF Program Number: 1109446 Spill Number/Closed Date: 1109446 / 1/19/2012 Site ID: 457222	472 BROOME ST	E 1/4 - 1/2 (0.467 mi.)	AM379	1052
PRIVATE HOME Program Number: 0513769 Spill Number/Closed Date: 0513769 / 5/22/2006 Site ID: 360306	58 WHITE STREET	SE 1/4 - 1/2 (0.476 mi.)	AK380	1053
GOING AWAY LCC Program Number: 0502570 Spill Number/Closed Date: 0502570 / 7/27/2005 Site ID: 346968	22 MERCER STREET	ESE 1/4 - 1/2 (0.479 mi.)	381	1055
YELLOW FREIGHT SYSTE Program Number: 9909631 Spill Number/Closed Date: 9909631 / 7/5/2000 Site ID: 159877	***149 LEROY ST***	***N 1/4 - 1/2 (0.483 mi.)***	***AL382***	***1056***
APARTMENT BUILDING Program Number: 0314059 Spill Number/Closed Date: 0314059 / 4/6/2004 Site ID: 286328	144 DUANE ST.	SSE 1/4 - 1/2 (0.483 mi.)	383	1061
SPILL NUMBER 9810520 Program Number: 9810520 Spill Number/Closed Date: 9810520 / 12/23/1999 Site ID: 303800	130 LEROY STREET	NNE 1/4 - 1/2 (0.484 mi.)	AO384	1062

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COMMERCIAL BUILDING Program Number: 1110287 Spill Number/Closed Date: 1110287 / 12/20/2011 Site ID: 458099	145 SPRING ST	E 1/4 - 1/2 (0.485 mi.)	AN385	1063
APT BUILDING Program Number: 1306972 Spill Number/Closed Date: 1306972 / 4/11/2014 Site ID: 487621	62 GREENE ST	E 1/4 - 1/2 (0.486 mi.)	AM386	1064
TTF Program Number: 1203271 Spill Number/Closed Date: 1203271 / Not Reported Site ID: 466068	65 GREENE STREET	E 1/4 - 1/2 (0.487 mi.)	AM387	1066
111 LEROY ST Program Number: 0300861 Spill Number/Closed Date: 0300861 / 5/2/2006 Site ID: 283679	***111 LEROY ST***	***NNE 1/4 - 1/2 (0.494 mi.)***	***AO389***	***1069***
SPILL NUMBER 0112067 Program Number: 0112067 Spill Number/Closed Date: 0112067 / 7/22/2002 Site ID: 236703	2 KING ST	NE 1/4 - 1/2 (0.498 mi.)	390	1074

Lower Elevation	Address	Direction / Distance	Map ID	Page
259 WEST STREET Program Number: 0206148 Spill Number/Closed Date: 0206148 / 1/27/2005 Site ID: 161173	259 WEST STREET	SW 0 - 1/8 (0.041 mi.)	C46	115
HUDSON RIVER PARK Program Number: 0701262 Spill Number/Closed Date: 0701262 / 8/1/2007 Site ID: 380744	WEST ST/ WATT ST	NNW 0 - 1/8 (0.056 mi.)	E69	177
DEPT OF SANITATION Program Number: 9404493 Program Number: 9712858 Program Number: 9804683 Program Number: 0011671 Spill Number/Closed Date: 9404493 / 5/30/2007 Spill Number/Closed Date: 9712858 / 3/2/2005 Spill Number/Closed Date: 9804683 / 7/11/2006 Spill Number/Closed Date: 0011671 / 2/6/2006 Site ID: 135631 Site ID: 240197 Site ID: 240198 Site ID: 240195	***297 WEST STREET***	***N 0 - 1/8 (0.105 mi.)***	***K134***	***364***
WB ENTRANCE TO Program Number: 9815149 Spill Number/Closed Date: 9815149 / 2/24/2003 Site ID: 205717	HOLLAND TUNNEL	N 1/8 - 1/4 (0.209 mi.)	292	783
BATTERY PARK BALLFIE Program Number: 0202933 Spill Number/Closed Date: 0202933 / 1/12/2004 Site ID: 287844	***WEST ST MURRAY & N.***	***SSW 1/4 - 1/2 (0.290 mi.)***	***348***	***949***

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, and dated 03/30/2015 has revealed that there are 2 NY TANKS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
435 GREENWICH CORP Facility Id: 2-602360 Site Status: Inactive	***435 GREENWICH STREET***	***SE 0 - 1/8 (0.053 mi.)***	***B68***	***176***
BELL ATLANTIC MOBILE Facility Id: 2-603682 Site Status: Active	***54 LAIGHT STREET***	***SE 0 - 1/8 (0.099 mi.)***	***J120***	***328***

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

A review of the NY UST list, as provided by EDR, and dated 03/30/2015 has revealed that there are 22 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRIBECA CONSTRUCTION Id/Status:: 2-610623	34 DESBROSSES STREET	0 - 1/8 (0.001 mi.)	A5	51
THE REGAL CO Id/Status:: 2-610249	443 GREENWICH STREET	ESE 0 - 1/8 (0.047 mi.)	B60	130
MANHATTAN AUTO DIAGN Id/Status:: 2-604963	***124 WATTS STREET***	***ENE 0 - 1/8 (0.075 mi.)***	***G88***	***220***
475 GREENWICH STREET Id/Status:: 2-610635	475 GREENWICH STREET	NE 0 - 1/8 (0.093 mi.)	G108	256
MANHATTAN AUTO DIAGN Id/Status:: 2-477591	***500 CANAL STREET***	***NE 0 - 1/8 (0.099 mi.)***	***G115***	***287***
FIVE STAR AUTOTEC Id/Status:: 2-600422	510 CANAL STREET	NNE 0 - 1/8 (0.101 mi.)	L127	341
FORMER AUTOMOBILE GA Id/Status:: 2-608150	***48 LAIGHT STREET***	***SE 0 - 1/8 (0.121 mi.)***	***J178***	***455***
181 HUDSON STREET Id/Status:: 2-608768	181 HUDSON STREET	ESE 0 - 1/8 (0.124 mi.)	N188	486
157 HUDSON STREET Id/Status:: 2-608927	157 HUDSON STREET	SE 1/8 - 1/4 (0.126 mi.)	J191	494
231-239 HUDSON STREE Id/Status:: 2-611804	231-239 HUDSON STREE	ENE 1/8 - 1/4 (0.138 mi.)	O206	534
NYCDEP MANHATTAN WAT Id/Status:: 2-611248	150 HUDSON STREET	SE 1/8 - 1/4 (0.155 mi.)	R219	565
LAVA, LLC Id/Status:: 2-482080	503-509 GREENWICH ST	NNE 1/8 - 1/4 (0.165 mi.)	Q226	573
261 HUDSON STREET DE Id/Status:: 2-612312	261 HUDSON STREET	NE 1/8 - 1/4 (0.169 mi.)	P236	593

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HOLLAND TUNNEL NY FI Id/Status:: 2-345393	4-10 VESTRY ST	ESE 1/8 - 1/4 (0.173 mi.)	N245	650
NEW YORK TRUCK TERMI Id/Status:: 2-482706	325 SPRING STREET	NNE 1/8 - 1/4 (0.178 mi.)	Q247	655
TRIDENT MAILING SERV Id/Status:: 2-043915	***315 SPRING ST***	***NNE 1/8 - 1/4 (0.183 mi.)***	***V256***	***681***
515 GREENWICH STREET Id/Status:: 2-604460	***515 GREENWICH STREET***	***NNE 1/8 - 1/4 (0.185 mi.)***	***V261***	***691***
UNITED PARCEL SERVIC Id/Status:: 2-601579	522 GREENWICH ST (32	NNE 1/8 - 1/4 (0.203 mi.)	V277	725
75 VARICK ST Id/Status:: 2-154814	75 VARICK STREET	E 1/8 - 1/4 (0.208 mi.)	W288	775
121 VARICK STREET CO Id/Status:: 2-480959	***121 VARICK STREET***	***ENE 1/8 - 1/4 (0.229 mi.)***	***AC317***	***873***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL R/S #11713 Id/Status:: 2-157996	***290 WEST STREET***	***N 0 - 1/8 (0.099 mi.)***	***K117***	***305***
DSNY M DISTRICT 1 GA Id/Status:: 2-455830	***297 WEST STREET***	***N 0 - 1/8 (0.105 mi.)***	***K136***	***375***

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, and dated 03/30/2015 has revealed that there are 40 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRIBECA TOWER INC Facility Id: 2-070319	***427 WASHINGTON STREE***	***SSE 0 - 1/8 (0.011 mi.)***	***A19***	***76***
67 VESTRY ST Facility Id: 2-212237	67 VESTRY STREET	S 0 - 1/8 (0.013 mi.)	A29	92
443 GREENWICH STREET Facility Id: 2-607372	443 GREENWICH STREET	ESE 0 - 1/8 (0.047 mi.)	B58	127
LAIGHT COOPERATIVE C Facility Id: 2-607742	76 LAIGHT STREET	S 0 - 1/8 (0.057 mi.)	F70	179
C. TRUE BUILDING COR Facility Id: 2-602815	***465 GREENWICH STREET***	***ENE 0 - 1/8 (0.057 mi.)***	***D71***	***181***
HELLER & USDAN INC Facility Id: 2-284343	401 WASHINGTON STREE	S 0 - 1/8 (0.063 mi.)	F79	195
480 CANAL ST Facility Id: 2-158968	480 CANAL STREET	ENE 0 - 1/8 (0.098 mi.)	G111	280
HANLEY MOVING SERVIC Facility Id: 2-280100	***412 GREENWICH ST***	***SSE 0 - 1/8 (0.099 mi.)***	***J123***	***333***
34 WATTS ST Facility Id: 2-333662	***34 WATTS ST (110 6TH***	***ENE 0 - 1/8 (0.102 mi.)***	***G132***	***359***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
415 GREENWICH STREET Facility Id: 2-605869	415 GREENWICH STREET	SSE 0 - 1/8 (0.109 mi.)	M141	392
511 CANAL STREET Facility Id: 2-362026	511 CANAL ST	NE 0 - 1/8 (0.111 mi.)	G148	404
LIBERTY VIEW CORP. Facility Id: 2-603089	***533 CANAL STREET***	***NNE 0 - 1/8 (0.111 mi.)***	***L155***	***411***
FORMER AUTOMOBILE GA Facility Id: 2-608150	***48 LAIGHT STREET***	***SE 0 - 1/8 (0.121 mi.)***	***J178***	***455***
HOLLAND TUNNEL NY LA Facility Id: 2-345385	543 CANAL STREET	NNE 0 - 1/8 (0.123 mi.)	K183	473
RARAPORT PRINTING CO Facility Id: 2-602786	***195 HUDSON STREET***	***E 0 - 1/8 (0.124 mi.)***	***I187***	***483***
2OO HUDSON ST Facility Id: 2-158933	200 HUDSON ST	ESE 1/8 - 1/4 (0.129 mi.)	N195	506
HUDSON ALLEY, INC. Facility Id: 2-280119	***174 HUDSON ST***	***ESE 1/8 - 1/4 (0.129 mi.)***	***N199***	***520***
169 HUDSON ST. CONDO Facility Id: 2-315745	169 HUDSON STREET	ESE 1/8 - 1/4 (0.131 mi.)	J203	530
99-105 CANAL Facility Id: 2-600035	***99-105 CANAL ST***	***E 1/8 - 1/4 (0.140 mi.)***	***O209***	***541***
481 WASHINGTON STREE Facility Id: 2-607330	481 WASHINGTON STREE	NNE 1/8 - 1/4 (0.148 mi.)	Q214	552
EAGLE TRANSFER CORPO Facility Id: 2-602557	***40 LAIGHT STREET***	***ESE 1/8 - 1/4 (0.148 mi.)***	***N215***	***554***
EAGEL TRANSFER CORP Facility Id: 2-326135	483/487 GREENWICH ST	NNE 1/8 - 1/4 (0.149 mi.)	L217	560
MINILAND PARTNERSHIP Facility Id: 2-260479	***28 LAIGHT STREET***	***ESE 1/8 - 1/4 (0.165 mi.)***	***R227***	***575***
145 HUDSON STREET CO Facility Id: 2-055220	145 HUDSON STREET	SE 1/8 - 1/4 (0.166 mi.)	R228	578
250 HUDSON STREET Facility Id: 2-601839	***250 HUDSON STREET***	***NE 1/8 - 1/4 (0.167 mi.)***	***P232***	***586***
CITIGROUP GLOBAL MAR Facility Id: 2-273074	390 GREENWICH STREET	S 1/8 - 1/4 (0.180 mi.)	T250	668
CITIGROUP Facility Id: 2-609057	388 GREENWICH STREET	S 1/8 - 1/4 (0.185 mi.)	T262	695
MAZDA REALTY Facility Id: 2-316989	13-17 LAIGHT STREET	ESE 1/8 - 1/4 (0.186 mi.)	U264	700
47 RENWICK STREET Facility Id: 2-510513	47 RENWICK ST (308 S	NE 1/8 - 1/4 (0.195 mi.)	V273	717
75 VARICK ST Facility Id: 2-154814	75 VARICK STREET	E 1/8 - 1/4 (0.208 mi.)	W281	739
80 VARICK STREET GRO Facility Id: 2-342335	80-92 VARICK STREET	E 1/8 - 1/4 (0.220 mi.)	W307	817
GRAND VARICK CORP (T Facility Id: 2-238341	76 VARICK STREET	E 1/8 - 1/4 (0.221 mi.)	W309	820

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
121 VARICK STREET CO Facility Id: 2-480959	***121 VARICK STREET***	***ENE 1/8 - 1/4 (0.229 mi.)***	***AC317***	***873***
417 CANAL ST Facility Id: 2-158925	***417 CANAL ST***	***ESE 1/8 - 1/4 (0.234 mi.)***	***AD326***	***905***
117-119 HUDSON STREE Facility Id: 2-608679	117-119 HUDSON STREE	SSE 1/8 - 1/4 (0.238 mi.)	AA332	917
V-DOG CONDOMINIUM Facility Id: 2-399272	95 VANDAM STREET	NNE 1/8 - 1/4 (0.239 mi.)	333	919
NEW YORK BLOOD CENTE Facility Id: 2-043419	***22 ERICSSON PLACE***	***SE 1/8 - 1/4 (0.245 mi.)***	***Z338***	***928***
315 HUDSON STREET Facility Id: 2-601840	***315 HUDSON STREET***	***NE 1/8 - 1/4 (0.248 mi.)***	***AB343***	***939***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CHANDER AUTO REPAIR, Facility Id: 2-612070	266 WEST STREET	WSW 0 - 1/8 (0.023 mi.)	A36	102
275 WEST STREET Facility Id: 2-600628	275 WEST STREET	NW 0 - 1/8 (0.027 mi.)	A38	104

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 03/25/2015 has revealed that there is 1 NY ENG CONTROLS site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST & WATTS DEVELOP Site Code: 459779	***281 WEST STREET AND***	***NNW 0 - 1/8 (0.052 mi.)***	***D67***	***146***

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 03/25/2015 has revealed that there is 1 NY INST CONTROL site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WEST & WATTS DEVELOP Site Code: 459779	***281 WEST STREET AND***	***NNW 0 - 1/8 (0.052 mi.)***	***D67***	***146***

NY RES DECL: A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

A review of the NY RES DECL list, as provided by EDR, and dated 11/18/2010 has revealed that there are 5 NY RES DECL sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 7,TAXBLOCK 223	*268 WEST STREET*	*SE 0 - 1/8 (0.002 mi.)*	*A9*	*64*
LOT 12,TAXBLOCK 223	*33 DESBROSSES STREET*	*SE 0 - 1/8 (0.002 mi.)*	*A10*	*67*
LOT 11,TAXBLOCK 223	*35 DESBROSSES STREET*	*SE 0 - 1/8 (0.002 mi.)*	*A12*	*71*
LOT 20,TAXBLOCK 223	*426 WASHINGTON STREE*	*SE 0 - 1/8 (0.002 mi.)*	*A13*	*71*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
LOT 9,TAXBLOCK 223	*270 WEST STREET*	*WNW 0 - 1/8 (0.024 mi.)*	*A37*	*104*

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 03/25/2015 has revealed that there are 5 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 7,TAXBLOCK 223 Site Code: 493116	*268 WEST STREET*	*SE 0 - 1/8 (0.002 mi.)*	*A9*	*64*
LOT 87,TAXBLOCK 594 Site Code: 483976	*261 HUDSON STREET*	*NE 1/8 - 1/4 (0.169 mi.)*	*P237*	*599*
377 GREENWICH STREET Site Code: 57850	*377 GREENWICH STREET*	*S 1/8 - 1/4 (0.235 mi.)*	*AA330*	*914*
601 WASHINGTON STREE Site Code: 503954	*601 WASHINGTON STREE*	*NNE 1/4 - 1/2 (0.489 mi.)*	*AL388*	*1067*
Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
WEST & WATTS DEVELOP Site Code: 459779	*281 WEST STREET AND*	*NNW 0 - 1/8 (0.052 mi.)*	*D67*	*146*

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the NY SWRCY list, as provided by EDR, and dated 01/06/2015 has revealed that there are 2

NY SWRCY sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APPLE FIBERS; INC.	***444 GREENWICH STREET***	***ESE 0 - 1/8 (0.043 mi.)***	***B51***	***122***
ATLAS PAPER STOCK CO	***589 WASHINGTON STREE***	***N 1/4 - 1/2 (0.446 mi.)***	***AL374***	***1038***

Local Lists of Registered Storage Tanks

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

A review of the NY HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 8 NY HIST UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MANHATTAN AUTO DIAGN Facility Status: 2 PBS Number: 2-604963 Tank Status: 3	***124 WATTS STREET***	***ENE 0 - 1/8 (0.075 mi.)***	***G88***	***220***
MANHATTAN AUTO DIAGN Facility Status: 2 PBS Number: 2-477591 Tank Status: 3	***500 CANAL STREET***	***NE 0 - 1/8 (0.099 mi.)***	***G115***	***287***
UNITED PARCEL SERVIC Facility Status: 1 PBS Number: 2-198587 Tank Status: 4	325 SPRING STREET	NNE 1/8 - 1/4 (0.178 mi.)	Q248	658
TRIDENT MAILING SERV Facility Status: 1 PBS Number: 2-043915 Tank Status: 1	***315 SPRING ST***	***NNE 1/8 - 1/4 (0.183 mi.)***	***V256***	***681***
515 GREENWICH STREET Facility Status: 1 PBS Number: 2-604460 Tank Status: 1	***515 GREENWICH STREET***	***NNE 1/8 - 1/4 (0.185 mi.)***	***V261***	***691***
121 VARICK STREET CO Facility Status: 1 PBS Number: 2-480959 Tank Status: 1	***121 VARICK STREET***	***ENE 1/8 - 1/4 (0.229 mi.)***	***AC317***	***873***

Lower Elevation	Address	Direction / Distance	Map ID	Page
MOBIL R/S #11713 Facility Status: 1 PBS Number: 2-157996 Tank Status: 3	***290 WEST STREET***	***N 0 - 1/8 (0.099 mi.)***	***K117***	***305***
DSNY M DISTRICT 1 GA Facility Status: 1 PBS Number: 2-455830 Tank Status: 4	***297 WEST STREET***	***N 0 - 1/8 (0.105 mi.)***	***K136***	***375***

EXECUTIVE SUMMARY

Records of Emergency Release Reports

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

A review of the NY Spills list, as provided by EDR, and dated 03/19/2015 has revealed that there are 33 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.087 mi.)***	***0***	***10***
Site ID: 237813 Spill Number/Closed Date: 0308107 / 10/31/2003 spillno: 0308107				
MANHOLE 49054 N/E CR	WASHINGTON/DESBROSSE	NE 0 - 1/8 (0.002 mi.)	A7	63
Site ID: 239741 Spill Number/Closed Date: 9807991 / 9/10/2009 spillno: 9807991				
LOT 12,TAXBLOCK 223	***33 DESBROSSES STREET***	***SE 0 - 1/8 (0.002 mi.)***	***A10***	***67***
Site ID: 490422 Spill Number/Closed Date: 1309614 / Not Reported spillno: 1309614				
PARKING LOT	415 WASHINGTON ST/LE	SSE 0 - 1/8 (0.032 mi.)	B44	113
Site ID: 364079 Spill Number/Closed Date: 0601769 / 5/19/2006 spillno: 0601769				
ABANDONED GAS STATIO	415 WASHINGTON ST/LE	SSE 0 - 1/8 (0.032 mi.)	B45	114
Site ID: 367270 Spill Number/Closed Date: 0604319 / 7/19/2006 spillno: 0604319				
147 WATT STREET	147 WATT STREET	NNE 0 - 1/8 (0.042 mi.)	D48	120
Site ID: 147684 Spill Number/Closed Date: 9512309 / 1/2/1996 spillno: 9512309				
OFFICE BUILDING	443 GREENWICH ST	ESE 0 - 1/8 (0.046 mi.)	B55	124
Site ID: 488209 Spill Number/Closed Date: 1307537 / 12/9/2013 spillno: 1307537				
415 WASHINGTON ST -	415 WASHINGTON ST	S 0 - 1/8 (0.049 mi.)	B64	140
Site ID: 350214 Spill Number/Closed Date: 0505263 / 6/9/2008 spillno: 0505263				
MANHOLE 36283	WATTS ST/GREENWICH S	NE 0 - 1/8 (0.062 mi.)	D77	193
Site ID: 100909 Spill Number/Closed Date: 9906043 / 2/3/2004 spillno: 9906043				
399 WASHINGTON STREE	399 WASHINGTON STREE	S 0 - 1/8 (0.063 mi.)	F82	201
Site ID: 116622 Spill Number/Closed Date: 9605125 / 7/31/1997 spillno: 9605125				
12 DESBROSSES ST/MAN	12 DESBROSSES STREET	E 0 - 1/8 (0.084 mi.)	I97	237
Site ID: 79255 Spill Number/Closed Date: 8912164 / 6/20/1995 spillno: 8912164				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SPILL NUMBER 9713269 Site ID: 305183 Spill Number/Closed Date: 9713269 / 2/27/1998 spillno: 9713269	35 VESTRY ST	ESE 0 - 1/8 (0.085 mi.)	I100	240
FRATELLI BRANCA & CO Site ID: 304882 Spill Number/Closed Date: 9516699 / 3/27/1996 spillno: 9516699	115 WATTS ST	ENE 0 - 1/8 (0.092 mi.)	G105	250
GAS STATION Site ID: 343700 Spill Number/Closed Date: 0500657 / 6/1/2009 spillno: 0500657	475 GREENWICH ST.	NE 0 - 1/8 (0.093 mi.)	G107	252
AUTO DIAGNOSTIC CENT Site ID: 333135 Site ID: 145085 Spill Number/Closed Date: 9515012 / 2/22/1996 Spill Number/Closed Date: 0408431 / 2/1/2005 spillno: 0408431 spillno: 9515012	500 CANAL ST	NE 0 - 1/8 (0.099 mi.)	G114	284
FIVE STAR Site ID: 66105 Site ID: 66104 Site ID: 155343 Spill Number/Closed Date: 9708605 / 3/24/1998 Spill Number/Closed Date: 9708606 / 11/5/2003 Spill Number/Closed Date: 9708627 / 11/5/2003 spillno: 9708627 spillno: 9708605 spillno: 9708606	510 CANAL STREET	NNE 0 - 1/8 (0.101 mi.)	L129	347
MANHOLE 28488 Site ID: 80081 Spill Number/Closed Date: 0002064 / 5/30/2001 spillno: 0002064	CANAL ST/WASHINGTON	NNE 0 - 1/8 (0.107 mi.)	K139	390
30-12 HOBART ST/QUEE Site ID: 146884 Spill Number/Closed Date: 9001810 / 5/17/1990 spillno: 9001810	30-12 HOBART STREET	SSE 0 - 1/8 (0.110 mi.)	M145	398
LIBERTY VIEW CORP Site ID: 189463 Spill Number/Closed Date: 0109831 / 1/11/2002 spillno: 0109831	533 CANAL ST	NNE 0 - 1/8 (0.111 mi.)	L153	409
FORMER GAS STATION Site ID: 449613 Spill Number/Closed Date: 1102121 / 7/22/2011 spillno: 1102121	482 GREENWICH ST	NNE 0 - 1/8 (0.112 mi.)	L157	417
FORMER MOBIL STATION Site ID: 358637 Spill Number/Closed Date: 0512342 / 11/16/2009 spillno: 0512342	527 CANAL STREET	NNE 0 - 1/8 (0.112 mi.)	L158	419
181 HUDSON ST Site ID: 68273 Spill Number/Closed Date: 9408937 / 10/5/1994 spillno: 9408937	181 HUDSON ST- APT C	ESE 0 - 1/8 (0.114 mi.)	J163	432

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ROADWAY Site ID: 229192 Spill Number/Closed Date: 9701459 / 5/2/1997 spillno: 9701459	CANAL AT HUDSON ST	E 0 - 1/8 (0.115 mi.)	I169	443
VACANT LOT (FORMER G Site ID: 492942 Spill Number/Closed Date: 1312004 / Not Reported spillno: 1312004	489-493 CANAL STREET	ENE 0 - 1/8 (0.115 mi.)	G172	446
HOLLAND TUNNEL Site ID: 146663 Spill Number/Closed Date: 9607106 / 6/15/2006 spillno: 9607106	HUDSON STREET	E 0 - 1/8 (0.116 mi.)	I173	453
167 HUDSON ST Site ID: 302281 Spill Number/Closed Date: 9105513 / 8/20/1991 spillno: 9105513	167 HUDSON ST	SE 0 - 1/8 (0.121 mi.)	J179	464
48 LAIGHT STREET Site ID: 147575 Site ID: 226690 Spill Number/Closed Date: 0306088 / 9/9/2003 Spill Number/Closed Date: 0207349 / Not Reported spillno: 0207349 spillno: 0306088	48 LAIGHT STREET	SE 0 - 1/8 (0.121 mi.)	J180	465

Lower Elevation	Address	Direction / Distance	Map ID	Page
LAIGHT ST / WEST ST Site ID: 171655 Spill Number/Closed Date: 9703963 / 11/7/2003 spillno: 9703963	IN STREET	SW 0 - 1/8 (0.032 mi.)	C43	111
PARKING LOT - HISTOR Site ID: 455925 Spill Number/Closed Date: 1108206 / Not Reported spillno: 1108206	281 WEST ST	NNW 0 - 1/8 (0.052 mi.)	D65	145
SPILL NUMBER 0005811 Site ID: 164871 Spill Number/Closed Date: 0005811 / 2/11/2004 spillno: 0005811	WEST ST/WATT ST	NNW 0 - 1/8 (0.084 mi.)	E98	238
IFO 596 CANAL ST Site ID: 206011 Spill Number/Closed Date: 9706439 / 10/24/2007 spillno: 9706439	IFO 596 CANAL ST	NNW 0 - 1/8 (0.089 mi.)	E101	241
NYC DEPT OF SANITATI Site ID: 484972 Site ID: 498982 Spill Number/Closed Date: 1405551 / 10/10/2014 Spill Number/Closed Date: 1304448 / 7/25/2013 spillno: 1304448 spillno: 1405551	297 WEST ST	N 0 - 1/8 (0.105 mi.)	K133	362
DEPT OF SANITATION Site ID: 240196 Spill Number/Closed Date: 0012882 / 5/30/2007 spillno: 0012882	***297 WEST STREET***	***N 0 - 1/8 (0.105 mi.)***	***K134***	***364***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/09/2014 has revealed that there are 64 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CALDERON BELTS INC	***443 GREENWICH ST 3RD***	***ESE 0 - 1/8 (0.047 mi.)***	***B62***	***132***
CON EDISON MANHOLE:	***397 WASHINGTON ST***	***S 0 - 1/8 (0.064 mi.)***	***F83***	***202***
BRIDGE LAND WEST LLC	***460 WASHINGTON ST***	***NNE 0 - 1/8 (0.074 mi.)***	***D86***	***206***
FRATELLI BRANCA & CO	***12 DEBROSSES ST***	***E 0 - 1/8 (0.082 mi.)***	***G94***	***233***
DIGITAL DIRIGIBLE	38 VESTRY ST	ESE 0 - 1/8 (0.085 mi.)	I99	239
FRATELLI BRANCA & CO	***115 WATTS ST***	***ENE 0 - 1/8 (0.092 mi.)***	***G104***	***247***
NYC DEPT OF GEN SERV	***480 CANAL ST***	***ENE 0 - 1/8 (0.098 mi.)***	***G109***	***263***
HARDING & HEAL INC	***480 CANAL ST 3RD FL***	***ENE 0 - 1/8 (0.098 mi.)***	***G110***	***272***
NEW BOWERY ANTHONYS	***408 GREENWICH ST***	***SSE 0 - 1/8 (0.101 mi.)***	***F131***	***352***
SLEIGHT & HELLMUTH D	***34 HUBERT ST***	***SSE 0 - 1/8 (0.106 mi.)***	***M137***	***388***
CON EDISON MANHOLE 3	***GREENWICH ST & HUEBE***	***SSE 0 - 1/8 (0.112 mi.)***	***M156***	***414***
CON EDISON SERVICE B	***205 HUDSON ST FRONT***	***E 0 - 1/8 (0.113 mi.)***	***I161***	***430***
CON EDISON MANHOLE:	***470 CANAL ST***	***ENE 0 - 1/8 (0.115 mi.)***	***I170***	***444***
CON EDISON VAULT: 83	***2 DESBROSSES ST***	***E 0 - 1/8 (0.122 mi.)***	***I182***	***472***
RAPOPORT METROPOLITA	***195 HUDSON ST***	***E 0 - 1/8 (0.124 mi.)***	***I185***	***478***
RAPOPORT METROPOLITA	***195 HUDSON STREET***	***E 0 - 1/8 (0.124 mi.)***	***I186***	***481***
CON EDISON	***VESTRY ST & HUDSON S***	***ESE 1/8 - 1/4 (0.125 mi.)***	***N190***	***491***
CON ED - MH1115	***E/S LEE AVE***	***E 1/8 - 1/4 (0.127 mi.)***	***I194***	***504***
TRINITY CHURCH	***200 HUDSON ST - MAIN***	***ESE 1/8 - 1/4 (0.129 mi.)***	***N196***	***508***
HUDSON PRINTING CO I	***200 HUDSON ST 11TH F***	***ESE 1/8 - 1/4 (0.129 mi.)***	***N197***	***511***
LATHAM PROCESS CORP-	***200 HUDSON ST***	***ESE 1/8 - 1/4 (0.129 mi.)***	***N198***	***514***
CON EDISION - MH 372	***F/O 189 HUDSON ST. F***	***E 1/8 - 1/4 (0.138 mi.)***	***N207***	***538***
MH68032	***S/E/C E. 2ND STREET***	***ESE 1/8 - 1/4 (0.151 mi.)***	***N218***	***562***
CON EDISON GAS MAIN	***255 HUDSON ST GAS MA***	***ENE 1/8 - 1/4 (0.162 mi.)***	***P224***	***570***
KARR GRAPHICS	***250 HUDSON STREET***	***NE 1/8 - 1/4 (0.167 mi.)***	***P230***	***581***
P D M LITHO	250 HUDSON ST 8TH FL	NE 1/8 - 1/4 (0.167 mi.)	P231	585
BRIDGE LAND HUDSON L	***261 HUDSON ST***	***NE 1/8 - 1/4 (0.169 mi.)***	***P238***	***601***
MH37957	***34 LAIGHT STREET***	***ESE 1/8 - 1/4 (0.175 mi.)***	***U246***	***652***
CON EDISON MANHOLE 3	***GREENWICH ST & SPRIN***	***NNE 1/8 - 1/4 (0.184 mi.)***	***V257***	***685***
CON EDISON VAULT: 77	***515 GREENWICH ST FRO***	***NNE 1/8 - 1/4 (0.185 mi.)***	***V259***	***687***
CON EDISON SERVICE B	***309 SPRING ST***	***NNE 1/8 - 1/4 (0.188 mi.)***	***V265***	***702***
CON EDISON SERVICE B	***310 SPRING ST***	***NNE 1/8 - 1/4 (0.193 mi.)***	***V269***	***709***
CON EDISON SERVICE B	***307 SPRING ST***	***NNE 1/8 - 1/4 (0.193 mi.)***	***V270***	***711***
FISCHER MILLS BUILDI	***387-397 GREENWICH ST***	***S 1/8 - 1/4 (0.194 mi.)***	***T272***	***714***
V0508	***866 WASHINGTON AVENU***	***NNE 1/8 - 1/4 (0.204 mi.)***	***V279***	***735***
21ST CENTURY OPTICS	***75 VARICK ST 11TH FL***	***E 1/8 - 1/4 (0.208 mi.)***	***W280***	***737***
FEN & FEN/UNIQUE LIT	***75 VARICK ST***	***E 1/8 - 1/4 (0.208 mi.)***	***W283***	***752***
CON EDISION - MH4735	***75 VARICK ST 75 VARI***	***E 1/8 - 1/4 (0.208 mi.)***	***W284***	***765***
ONE HUDSON SQUARE	***75 VARICK ST 8TH FLO***	***E 1/8 - 1/4 (0.208 mi.)***	***W285***	***766***
D & L OFFSET LITHOGR	***75 VARICK ST - 7TH F***	***E 1/8 - 1/4 (0.208 mi.)***	***W287***	***770***
COMERCIAL PROPERTY	***75 VARICK ST - MAIN***	***E 1/8 - 1/4 (0.208 mi.)***	***W289***	***777***
CONTEL IPC	75 VARICK ST	E 1/8 - 1/4 (0.208 mi.)	W290	780
CON EDISON SERVICE B	***75 VARICK ST & GRAND***	***E 1/8 - 1/4 (0.208 mi.)***	***W291***	***781***
CON EDISON SERVICE B	***523 GREENWICH ST***	***NNE 1/8 - 1/4 (0.212 mi.)***	***V295***	***787***
CON EDISON VAULT: 91	***74 N MOORE ST***	***SSE 1/8 - 1/4 (0.214 mi.)***	***AA297***	***790***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON VAULT SUB	***74 N MOORE ST FRONT***	***SSE 1/8 - 1/4 (0.214 mi.)***	***AA298***	***791***
EN TRANS	***300 HUDSON ST***	***NE 1/8 - 1/4 (0.220 mi.)***	***AB305***	***805***
VARICK STREET DRY CL	***80 VARICK ST***	***E 1/8 - 1/4 (0.220 mi.)***	***W306***	***807***
LEICESTERSHIRE ARMS	***55 N MOORE ST***	***SSE 1/8 - 1/4 (0.224 mi.)***	***AA312***	***828***
FEDERAL BUREAU OF IN	***56 N MOORE ST***	***SSE 1/8 - 1/4 (0.226 mi.)***	***AA313***	***830***
CON EDISON SERVICE B	***568 BROOME ST***	***ENE 1/8 - 1/4 (0.227 mi.)***	***AC314***	***841***
SAGE PLATE SERVICE C	***121 VARICK ST***	***ENE 1/8 - 1/4 (0.229 mi.)***	***AC316***	***845***
SAGE PLATE SERVICE C	121 VARICK ST	ENE 1/8 - 1/4 (0.229 mi.)	AC318	878
PARISH OF TRINITY CH	***304 HUDSON ST 7TH FL***	***NE 1/8 - 1/4 (0.232 mi.)***	***AB319***	***880***
DIGITAL DIRIGIBLE	***417 CANAL ST - 8TH F***	***ESE 1/8 - 1/4 (0.234 mi.)***	***AD325***	***900***
CON EDISON VAULT: 98	***51 DOMINICK ST***	***ENE 1/8 - 1/4 (0.235 mi.)***	***AC328***	***911***
CON EDISION - MH3631	***VANDAM ST. AND GREEN***	***NNE 1/8 - 1/4 (0.235 mi.)***	***Y329***	***912***
WHITE GLOVE VALET	***39 N MOORE ST***	***SSE 1/8 - 1/4 (0.242 mi.)***	***Z335***	***923***
WHITE GLOVE VELET CL	39 N MOORE ST	SSE 1/8 - 1/4 (0.242 mi.)	Z337	926
PRUDENTIAL SECURITIE	***315 HUDSON ST***	***NE 1/8 - 1/4 (0.248 mi.)***	***AB342***	***937***

Lower Elevation	Address	Direction / Distance	Map ID	Page
FEDERAL ARMORED EXPR	***275 WEST ST***	***NW 0 - 1/8 (0.027 mi.)***	***A39***	***106***
MOBIL OIL-#17-JYX	***290 WEST STREET***	***N 0 - 1/8 (0.099 mi.)***	***K116***	***300***
CON EDISON MANHOLE 6	***N MOORE ST & W SIDE***	***SSW 1/8 - 1/4 (0.202 mi.)***	***X275***	***721***
CON EDISION - MH4012	***N.MOORE ST.AND WEST***	***SSW 1/8 - 1/4 (0.202 mi.)***	***X276***	***723***

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 01/23/2015 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.087 mi.)***	***0***	***10***

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 11/25/2013 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.087 mi.)***	***0***	***10***

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites

on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 NY HSWDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GSA BUILDING SITE	201 VARICK ST	NE 1/4 - 1/2 (0.413 mi.)	AH364	1009

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 01/01/2015 has revealed that there are 144 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HUDSON RIVER PCBS EPA ID: NYD980763841	***NO STREET APPLICABLE***	***W 0 - 1/8 (0.087 mi.)***	***0***	***10***
CON EDISON SERVICE B EPA ID: NYP004284923	***442 WASHINGTON ST FR***	***NE 0 - 1/8 (0.001 mi.)***	***A6***	***61***
CON EDISON SERVICE B EPA ID: NYP004285284	***429 WASHINGTON ST***	***SSE 0 - 1/8 (0.006 mi.)***	***A18***	***73***
CON EDISON SERVICE B EPA ID: NYP004285292	***VESTRY ST & WASHINGT***	***SSE 0 - 1/8 (0.012 mi.)***	***A21***	***79***
CON EDISON SERVICE B EPA ID: NYP004278552	***VESTRY ST & WASHINGT***	***SSE 0 - 1/8 (0.012 mi.)***	***A22***	***81***
CON EDISON SERVICE B EPA ID: NYP004277307	***WASHINGTON ST & VEST***	***SSE 0 - 1/8 (0.012 mi.)***	***A23***	***83***
CON EDISON SERVICE B EPA ID: NYP004285177	***VESTRY ST & WASHINGT***	***SSE 0 - 1/8 (0.012 mi.)***	***A24***	***85***
CON EDISON SERVICE B EPA ID: NYP004285383	***61 VESTRY ST FRONT O***	***SSE 0 - 1/8 (0.013 mi.)***	***A26***	***88***
CON EDISON EPA ID: NYP004285441	63 VESTRY ST	SSE 0 - 1/8 (0.013 mi.)	A28	91
CON EDISON SERVICE B EPA ID: NYP004284915	***442 442 WASHINGTON S***	***NNE 0 - 1/8 (0.017 mi.)***	***A32***	***96***
CON EDISON SERVICE B EPA ID: NYP004284931	***449 WASHINGTON ST OP***	***NNE 0 - 1/8 (0.023 mi.)***	***A34***	***99***
CON EDISON SERVICE B EPA ID: NYP004285391	***52 VESTRY ST FRONT O***	***SE 0 - 1/8 (0.031 mi.)***	***B42***	***109***
CON EDISON SERVICE B EPA ID: NYP004278578	***416 WASHINGTON ST***	***S 0 - 1/8 (0.042 mi.)***	***B47***	***118***
CALDERON BELTS INC EPA ID: NYD001307321	***443 GREENWICH ST 3RD***	***ESE 0 - 1/8 (0.047 mi.)***	***B62***	***132***
CON EDISON SERVICE B EPA ID: NYP004278446	***414 WASHINGTON ST***	***S 0 - 1/8 (0.049 mi.)***	***B63***	***138***
CON EDISON SERVICE B EPA ID: NYP004278560	***84 LAIGHT ST***	***SSW 0 - 1/8 (0.057 mi.)***	***C73***	***185***
CONSOLIDATED EDISON EPA ID: NYP000926634	399 WASHINGTON STREE	S 0 - 1/8 (0.062 mi.)	F76	192

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE B EPA ID: NYP004285409	***69 LAIGHT ST FRONT O***	***SSE 0 - 1/8 (0.063 mi.)***	***B80***	***197***
CON EDISON - VAULT S EPA ID: NYP004403168	***398 WASHINGTON ST***	***S 0 - 1/8 (0.063 mi.)***	***F81***	***199***
CON EDISON MANHOLE: EPA ID: NYP004450961	***397 WASHINGTON ST***	***S 0 - 1/8 (0.064 mi.)***	***F83***	***202***
BRIDGE LAND WEST LLC EPA ID: NYR000200642	***460 WASHINGTON ST***	***NNE 0 - 1/8 (0.074 mi.)***	***D86***	***206***
CON EDISON SERVICE B EPA ID: NYP004285078	***40 VESTRY ST***	***ESE 0 - 1/8 (0.077 mi.)***	***B90***	***229***
CON EDISON SERVICE B EPA ID: NYP004285094	***463 WASHINGTON ST***	***NNE 0 - 1/8 (0.089 mi.)***	***D102***	***243***
CON EDISON SERVICE B EPA ID: NYP004285086	***463 WASHINGTON ST OP***	***NNE 0 - 1/8 (0.089 mi.)***	***D103***	***245***
FRATELLI BRANCA & CO EPA ID: NYR000095695	***115 WATTS ST***	***ENE 0 - 1/8 (0.092 mi.)***	***G104***	***247***
NYC DEPT OF GEN SERV EPA ID: NYD982540015	***480 CANAL ST***	***ENE 0 - 1/8 (0.098 mi.)***	***G109***	***263***
HARDING & HEAL INC EPA ID: NYD986953446	***480 CANAL ST 3RD FL***	***ENE 0 - 1/8 (0.098 mi.)***	***G110***	***272***
CON EDISON SERVICE B EPA ID: NYP004287553	***57 LAIGHT ST FRONT O***	***SE 0 - 1/8 (0.098 mi.)***	***J112***	***282***
CON EDISON - SERVICE EPA ID: NYP004284725	***SWC CANAL ST AND GRE***	***NE 0 - 1/8 (0.099 mi.)***	***G122***	***330***
CON EDISON SERVICE B EPA ID: NYP004284659	***508 CANAL ST***	***NNE 0 - 1/8 (0.100 mi.)***	***L125***	***336***
CON EDISON SERVICE B EPA ID: NYP004286167	***31 VESTRY ST***	***ESE 0 - 1/8 (0.100 mi.)***	***I126***	***339***
CON EDISON SERVICE B EPA ID: NYP004284642	***510 CANAL ST***	***NNE 0 - 1/8 (0.101 mi.)***	***L130***	***350***
NEW BOWERY ANTHONYS EPA ID: NYD011901576	***408 GREENWICH ST***	***SSE 0 - 1/8 (0.101 mi.)***	***F131***	***352***
CON EDISON SERVICE B EPA ID: NYP004284402	***483 GREENWICH ST***	***NE 0 - 1/8 (0.111 mi.)***	***L146***	***400***
CON EDISON SERVICE B EPA ID: NYP004284428	***483 GREENWICH ST***	***NE 0 - 1/8 (0.111 mi.)***	***L147***	***402***
CON EDISON SERVICE B EPA ID: NYP004284444	***484 GREENWICH ST***	***NNE 0 - 1/8 (0.111 mi.)***	***L152***	***407***
CON EDISON MANHOLE 3 EPA Id: NYP004223368	***GREENWICH ST & HUEBE***	***SSE 0 - 1/8 (0.112 mi.)***	***M156***	***414***
CUNY HUNTER COLLEGE EPA ID: NYR000114462	***205 HUDSON ST - FLOO***	***E 0 - 1/8 (0.113 mi.)***	***I160***	***424***
CON EDISON SERVICE B EPA ID: NYP004297131	***205 HUDSON ST FRONT***	***E 0 - 1/8 (0.113 mi.)***	***I161***	***430***
CON EDISON SERVICE B EPA ID: NYP004285276	***CANAL ST & WASHINGTO***	***NNE 0 - 1/8 (0.115 mi.)***	***K164***	***433***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE: EPA ID: NYP004284964	***CANAL ST & WASHINGTO***	***NNE 0 - 1/8 (0.115 mi.)***	***K165***	***435***
CON EDISON SERVICE B EPA ID: NYP004284956	***CANAL ST & WASHINGTO***	***NNE 0 - 1/8 (0.115 mi.)***	***K166***	***437***
CON EDISON MANHOLE: EPA ID: NYP004285045	***CANAL ST & WASHINGTO***	***NNE 0 - 1/8 (0.115 mi.)***	***K167***	***439***
CON EDISON - MANHOLE EPA ID: NYP004286746	***NW CO WASHINGTON ST***	***NNE 0 - 1/8 (0.115 mi.)***	***K168***	***441***
CON EDISON MANHOLE: EPA ID: NYP004424511	***470 CANAL ST***	***ENE 0 - 1/8 (0.115 mi.)***	***I170***	***444***
CON EDISON VAULT: 83 EPA ID: NYP004477576	***2 DESBROSSES ST***	***E 0 - 1/8 (0.122 mi.)***	***I182***	***472***
CON EDISON - SERVICE EPA ID: NYP004285912	***185 HUDSON ST***	***E 0 - 1/8 (0.124 mi.)***	***I184***	***476***
RAPOPORT METROPOLITA EPA ID: NYR000039875	***195 HUDSON ST***	***E 0 - 1/8 (0.124 mi.)***	***I185***	***478***
RAPOPORT METROPOLITA EPA ID: NYP004030466	***195 HUDSON STREET***	***E 0 - 1/8 (0.124 mi.)***	***I186***	***481***
CON EDISON - MANHOLE EPA ID: NYP004286043	***W HUDSON ST. & D***	***E 0 - 1/8 (0.125 mi.)***	***I189***	***488***
CON EDISON EPA Id: NYP004212718	***VESTRY ST & HUDSON S***	***ESE 1/8 - 1/4 (0.125 mi.)***	***N190***	***491***
CON EDISON - SERVICE EPA ID: NYP004285920	***175 HUDSON ST***	***ESE 1/8 - 1/4 (0.126 mi.)***	***N192***	***496***
CITIGROUP EPA ID: NYD982269912	***390 GREENWICH ST***	***S 1/8 - 1/4 (0.126 mi.)***	***M193***	***498***
CON ED - MH1115 EPA ID: NYP000930156	***E/S LEE AVE***	***E 1/8 - 1/4 (0.127 mi.)***	***I194***	***504***
TRINITY CHURCH EPA ID: NYR000107433	***200 HUDSON ST - MAIN***	***ESE 1/8 - 1/4 (0.129 mi.)***	***N196***	***508***
LATHAM PROCESS CORP- EPA ID: NYD986980720	***200 HUDSON ST***	***ESE 1/8 - 1/4 (0.129 mi.)***	***N198***	***514***
471 WASHINGTON STREE EPA ID: NYR000157099	***471 WASHINGTON ST***	***NNE 1/8 - 1/4 (0.129 mi.)***	***L200***	***523***
CON EDISON SERVICE B EPA ID: NYP004284394	***491 GREENWICH ST***	***NNE 1/8 - 1/4 (0.130 mi.)***	***L201***	***527***
CON EDISON EPA ID: NYP004107769	169 HUDSON ST SB3728	ESE 1/8 - 1/4 (0.131 mi.)	J202	529
CON EDISON SERVICE B EPA ID: NYP004284634	***HUDSON ST AND CANAL***	***E 1/8 - 1/4 (0.134 mi.)***	***O204***	***532***
CON EDISION - MH 372 EPA ID: NYP004077087	***F/O 189 HUDSON ST. F***	***E 1/8 - 1/4 (0.138 mi.)***	***N207***	***538***
CON EDISON SERVICE B EPA ID: NYP004284527	***26 RENWICK ST FRONT***	***NE 1/8 - 1/4 (0.139 mi.)***	***P208***	***539***
CON EDISON SERVICE B EPA ID: NYP004284360	***495 GREENWICH ST***	***NNE 1/8 - 1/4 (0.140 mi.)***	***L210***	***545***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE B EPA ID: NYP004284576	***465 CANAL ST***	***E 1/8 - 1/4 (0.143 mi.)***	***O211***	***547***
CON EDISON SERVICE B EPA ID: NYP004284584	***465 CANAL ST***	***E 1/8 - 1/4 (0.143 mi.)***	***O212***	***549***
CON EDISON EPA ID: NYP004666582	OPP 159 HUDSON ST	SE 1/8 - 1/4 (0.143 mi.)	J213	551
CON EDISON SERVICE B EPA ID: NYP004284568	***439 CANAL ST***	***E 1/8 - 1/4 (0.148 mi.)***	***O216***	***558***
MH68032 EPA ID: NYP004033064	***S/E/C E. 2ND STREET***	***ESE 1/8 - 1/4 (0.151 mi.)***	***N218***	***562***
CON EDISON EPA ID: NYP004676904	OPP 34 LAIGHT ST	ESE 1/8 - 1/4 (0.157 mi.)	R221	568
CON EDISON GAS MAIN EPA ID: NYP004137725	***255 HUDSON ST GAS MA***	***ENE 1/8 - 1/4 (0.162 mi.)***	***P224***	***570***
KARR GRAPHICS EPA ID: NYR000066340	***250 HUDSON STREET***	***NE 1/8 - 1/4 (0.167 mi.)***	***P230***	***581***
NYCDEP EPA ID: NYP003660313	47 RENWICK AVE	NE 1/8 - 1/4 (0.168 mi.)	P235	592
BRIDGE LAND HUDSON L EPA ID: NYR000209056	***261 HUDSON ST***	***NE 1/8 - 1/4 (0.169 mi.)***	***P238***	***601***
THE PORT AUTHORITY O EPA ID: NYD981489271	***4 VESTRY STREET***	***ESE 1/8 - 1/4 (0.173 mi.)***	***N243***	***617***
MH37957 EPA ID: NYP004044251	***34 LAIGHT STREET***	***ESE 1/8 - 1/4 (0.175 mi.)***	***U246***	***652***
CON EDISON - MANHOLE EPA ID: NYP004284733	***332 SPRING ST***	***NNE 1/8 - 1/4 (0.178 mi.)***	***Q249***	***666***
NYNEX EPA ID: NYP000917625	DOMINIC & HUDSON ST	NE 1/8 - 1/4 (0.183 mi.)	P254	678
CON EDISON SERVICE B EPA ID: NYP004284758	***HUDSON ST & DOMINICK***	***NE 1/8 - 1/4 (0.183 mi.)***	***P255***	***679***
CON EDISON MANHOLE 3 EPA ID: NYP004216083	***GREENWICH ST & SPRIN***	***NNE 1/8 - 1/4 (0.184 mi.)***	***V257***	***685***
CONSOLIDATED EDISON EPA ID: NYP004065504	MH36311-SPRING & GRE	NNE 1/8 - 1/4 (0.184 mi.)	V258	686
CON EDISON VAULT: 77 EPA ID: NYP004461679	***515 GREENWICH ST FRO***	***NNE 1/8 - 1/4 (0.185 mi.)***	***V259***	***687***
CON EDISON MANHOLE: EPA ID: NYP004279170	***515 GREENWICH ST***	***NNE 1/8 - 1/4 (0.185 mi.)***	***V260***	***689***
CON EDISON SERVICE B EPA ID: NYP004285540	***431 CANAL ST FRONT O***	***E 1/8 - 1/4 (0.186 mi.)***	***W263***	***698***
CON EDISON SERVICE B EPA ID: NYP004284667	***309 SPRING ST***	***NNE 1/8 - 1/4 (0.188 mi.)***	***V265***	***702***
CON ED EPA ID: NYP004434809	309 SPRING ST	NNE 1/8 - 1/4 (0.188 mi.)	V266	704
CON EDISON SERVICE B EPA ID: NYP004284766	***505 WASHINGTON ST OP***	***NNE 1/8 - 1/4 (0.192 mi.)***	***Q267***	***705***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE B EPA ID: NYP004284808	***505 WASHINGTON ST***	***NNE 1/8 - 1/4 (0.192 mi.)***	***Q268***	***707***
CON EDISON SERVICE B EPA ID: NYP004434817	***310 SPRING ST***	***NNE 1/8 - 1/4 (0.193 mi.)***	***V269***	***709***
CON EDISON SERVICE B EPA ID: NYP004284675	***307 SPRING ST***	***NNE 1/8 - 1/4 (0.193 mi.)***	***V270***	***711***
CON ED EPA ID: NYP004434825	307 SPRING ST	NNE 1/8 - 1/4 (0.193 mi.)	V271	713
FISCHER MILLS BUILDI EPA ID: NYR000070656	***387-397 GREENWICH ST***	***S 1/8 - 1/4 (0.194 mi.)***	***T272***	***714***
CON EDISON SERVICE B EPA ID: NYP004285581	***SPRING ST & RENWICK***	***NE 1/8 - 1/4 (0.196 mi.)***	***V274***	***719***
V0508 EPA ID: NYP004039236	***866 WASHINGTON AVENU***	***NNE 1/8 - 1/4 (0.204 mi.)***	***V279***	***735***
EUROPADISK LTD EPA ID: NY0000233387	***75 VARICK ST - ROOM***	***E 1/8 - 1/4 (0.208 mi.)***	***W282***	***741***
FEN & FEN/UNIQUE LIT EPA ID: NYD982794125	***75 VARICK ST***	***E 1/8 - 1/4 (0.208 mi.)***	***W283***	***752***
CON EDISION - MH4735 EPA ID: NYP004086468	***75 VARICK ST 75 VARI***	***E 1/8 - 1/4 (0.208 mi.)***	***W284***	***765***
ONE HUDSON SQUARE EPA ID: NYR000085696	***75 VARICK ST 8TH FLO***	***E 1/8 - 1/4 (0.208 mi.)***	***W285***	***766***
D & L OFFSET LITHOGR EPA ID: NYR000002329	***75 VARICK ST - 7TH F***	***E 1/8 - 1/4 (0.208 mi.)***	***W287***	***770***
COMERCIAL PROPERTY EPA ID: NYR000089474	***75 VARICK ST - MAIN***	***E 1/8 - 1/4 (0.208 mi.)***	***W289***	***777***
CON EDISON SERVICE B EPA ID: NYP004457800	***75 VARICK ST & GRAND***	***E 1/8 - 1/4 (0.208 mi.)***	***W291***	***781***
CON EDISON SERVICE B EPA ID: NYP004284782	***511 WASHINGTON ST OP***	***NNE 1/8 - 1/4 (0.210 mi.)***	***Y293***	***784***
CON EDISON EPA ID: NYP004406179	523 GREENWICH ST	NNE 1/8 - 1/4 (0.212 mi.)	V294	786
CON EDISON SERVICE B EPA ID: NYP004388666	***523 GREENWICH ST***	***NNE 1/8 - 1/4 (0.212 mi.)***	***V295***	***787***
CON EDISON VAULT: 91 EPA ID: NYP004428744	***74 N MOORE ST***	***SSE 1/8 - 1/4 (0.214 mi.)***	***AA297***	***790***
CON EDISON VAULT SUB EPA ID: NYP004379343	***74 N MOORE ST FRONT***	***SSE 1/8 - 1/4 (0.214 mi.)***	***AA298***	***791***
CON EDISON SERVICE B EPA ID: NYP004284790	***513 WASHINGTON ST***	***NNE 1/8 - 1/4 (0.216 mi.)***	***Y299***	***793***
CON EDISON SERVICE B EPA ID: NYP004286050	***LAIGHT & VARICK ST***	***ESE 1/8 - 1/4 (0.218 mi.)***	***U300***	***795***
CON EDISON MANHOLE: EPA ID: NYP004287793	***VARICK ST & LAIGHT S***	***ESE 1/8 - 1/4 (0.218 mi.)***	***U301***	***797***
CON EDISON SERVICE B EPA ID: NYP004285474	***SPRING ST & HUDSON S***	***NE 1/8 - 1/4 (0.218 mi.)***	***AB302***	***799***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID: NYP004583340	525 GREENWICH ST	NNE 1/8 - 1/4 (0.218 mi.)	V303	801
MTA NYCT - CANAL STR EPA ID: NYR000193250	***CANAL & VARICK ST***	***ESE 1/8 - 1/4 (0.220 mi.)***	***W304***	***802***
VARICK STREET DRY CL EPA ID: NYD982537797	***80 VARICK ST***	***E 1/8 - 1/4 (0.220 mi.)***	***W306***	***807***
NYNEX EPA ID: NYP000912923	VARICK & CANAL ST SE	ESE 1/8 - 1/4 (0.220 mi.)	W308	820
PARISH OF TRINITY CH EPA ID: NYR000114777	***76 VARICK ST - ABAND***	***E 1/8 - 1/4 (0.221 mi.)***	***W310***	***824***
LEICESTERSHIRE ARMS EPA ID: NYR000145326	***55 N MOORE ST***	***SSE 1/8 - 1/4 (0.224 mi.)***	***AA312***	***828***
FEDERAL BUREAU OF IN EPA ID: NYD982790370	***56 N MOORE ST***	***SSE 1/8 - 1/4 (0.226 mi.)***	***AA313***	***830***
CON EDISON SERVICE B EPA ID: NYP004434841	***568 BROOME ST***	***ENE 1/8 - 1/4 (0.227 mi.)***	***AC314***	***841***
CON EDISON SERVICE B EPA ID: NYP004284774	***517 WASHINGTON ST OP***	***NNE 1/8 - 1/4 (0.228 mi.)***	***Y315***	***843***
SAGE PLATE SERVICE C EPA ID: NYD001295906	***121 VARICK ST***	***ENE 1/8 - 1/4 (0.229 mi.)***	***AC316***	***845***
PARISH OF TRINITY CH EPA ID: NYD012016630	***304 HUDSON ST 7TH FL***	***NE 1/8 - 1/4 (0.232 mi.)***	***AB319***	***880***
CON EDISON EPA ID: NYP004497400	100 VARICK ST	ENE 1/8 - 1/4 (0.232 mi.)	AC321	892
CON EDISON MANHOLE: EPA ID: NYP004263778	***HUDSON ST & MOORE ST***	***SSE 1/8 - 1/4 (0.234 mi.)***	***Z322***	***893***
CONSOLIDATED EDISON EPA ID: NYP004254819	HUDSON STREET AND NO	SSE 1/8 - 1/4 (0.234 mi.)	Z323	895
CON EDISON SERVICE B EPA ID: NYP004285995	***HUDSON ST & MOORE ST***	***SSE 1/8 - 1/4 (0.234 mi.)***	***Z324***	***898***
DIGITAL DIRIGIBLE EPA ID: NYD987018892	***417 CANAL ST - 8TH F***	***ESE 1/8 - 1/4 (0.234 mi.)***	***AD325***	***900***
CON EDISON VAULT: 98 EPA ID: NYP004434213	***51 DOMINICK ST***	***ENE 1/8 - 1/4 (0.235 mi.)***	***AC328***	***911***
CON EDISION - MH3631 EPA ID: NYP004075438	***VANDAM ST. AND GREEN***	***NNE 1/8 - 1/4 (0.235 mi.)***	***Y329***	***912***
CON EDISON EPA ID: NYP004171096	***VARICK ST BTWN WATTS***	***ENE 1/8 - 1/4 (0.235 mi.)***	***AC331***	***915***
CON EDISON SERVICE B EPA ID: NYP004284949	***278 SPRING ST***	***NE 1/8 - 1/4 (0.241 mi.)***	***AB334***	***921***
WHITE GLOVE VALET EPA ID: NYR000032433	***39 N MOORE ST***	***SSE 1/8 - 1/4 (0.242 mi.)***	***Z335***	***923***
CON EDISON SERVICE B EPA ID: NYP004284154	***523 WASHINGTON ST FR***	***NNE 1/8 - 1/4 (0.246 mi.)***	***Y339***	***931***
CON EDISON - SERVICE EPA ID: NYP004285904	***38 DOMINICK ST***	***ENE 1/8 - 1/4 (0.248 mi.)***	***AC340***	***933***

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON EPA ID: NYP004181541	***315 HUDSON ST***	***NE 1/8 - 1/4 (0.248 mi.)***	***AB344***	***944***

Lower Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON SERVICE B EPA ID: NYP004279584	***88 LAIGHT ST FRONT O***	***SSW 0 - 1/8 (0.059 mi.)***	***C74***	***188***
CON EDISON SERVICE B EPA ID: NYP004285268	***88 LAIGHT ST FRONT O***	***SSW 0 - 1/8 (0.059 mi.)***	***C75***	***190***
34 HERBERT STREET AS EPA ID: NYP000886309	250 WEST ST	SSW 0 - 1/8 (0.084 mi.)	H96	236
MOBIL OIL-#17-JYX EPA ID: NYD982187726	***290 WEST STREET***	***N 0 - 1/8 (0.099 mi.)***	***K116***	***300***
NYC SANITAION - J SC EPA ID: NYD986870145	***297 WEST ST MW1***	***N 0 - 1/8 (0.105 mi.)***	***K135***	***371***
CON EDISON MANHOLE: EPA ID: NYP004286878	***WEST ST & HUBERT ST***	***SSW 0 - 1/8 (0.109 mi.)***	***H142***	***395***
EMPIRE CITY SUBWAY EPA ID: NYP000902601	CANAL STREET & WEST	N 1/8 - 1/4 (0.157 mi.)	S220	567
CON EDISON SERVICE B EPA ID: NYP004284055	***WEST ST & SPRING ST***	***N 1/8 - 1/4 (0.180 mi.)***	***S252***	***674***
CON EDISON SERVICE B EPA ID: NYP004284048	***WEST ST & SPRING ST***	***N 1/8 - 1/4 (0.180 mi.)***	***S253***	***676***
CON EDISON MANHOLE 6 EPA ID: NYP004142766	***N MOORE ST & W SIDE***	***SSW 1/8 - 1/4 (0.202 mi.)***	***X275***	***721***
CON EDISION - MH4012 EPA ID: NYP004082301	***N.MOORE ST.AND WEST***	***SSW 1/8 - 1/4 (0.202 mi.)***	***X276***	***723***

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 01/01/2015 has revealed that there are 4 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON MANHOLE 3 EPA Id: NYP004223368	***GREENWICH ST & HUEBE***	***SSE 0 - 1/8 (0.112 mi.)***	***M156***	***414***
CON EDISON EPA Id: NYP004212718	***VESTRY ST & HUDSON S***	***ESE 1/8 - 1/4 (0.125 mi.)***	***N190***	***491***
471 WASHINGTON STREE EPA ID: NYR000157099	***471 WASHINGTON ST***	***NNE 1/8 - 1/4 (0.129 mi.)***	***L200***	***523***
THE PORT AUTHORITY O EPA ID: NYD981489271	***4 VESTRY STREET***	***ESE 1/8 - 1/4 (0.173 mi.)***	***N243***	***617***

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 01/01/2015 has revealed that there are 2 PA MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PORT AUTHORITY OF NY Generator EPA Id: NYD981489271	FOUR VESTRY ST	ESE 1/8 - 1/4 (0.173 mi.)	N244	647
CITI GROUP Generator EPA Id: NYD982269912	390 GREENWICH STREET	S 1/8 - 1/4 (0.180 mi.)	T251	672

NY DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the NY DRYCLEANERS list, as provided by EDR, and dated 01/12/2015 has revealed that there is 1 NY DRYCLEANERS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WHITE GLOVE CLEANERS Facility Id: 2-6205-01262	39 NORTH MOORE STREE	SSE 1/8 - 1/4 (0.242 mi.)	Z336	926

NY E DESIGNATION: Lots designation with an ?E? on the Zoning Maps of the City of New York for potential hazardous material contamination, air and/or noise quality impacts.

A review of the NY E DESIGNATION list, as provided by EDR, and dated 03/17/2015 has revealed that there are 44 NY E DESIGNATION sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 18,TAXBLOCK 223	428 WASHINGTON STREE	SE 0 - 1/8 (0.002 mi.)	A8	64
LOT 7,TAXBLOCK 223	***268 WEST STREET***	***SE 0 - 1/8 (0.002 mi.)***	***A9***	***64***
LOT 12,TAXBLOCK 223	***33 DESBROSSES STREET***	***SE 0 - 1/8 (0.002 mi.)***	***A10***	***67***
LOT 5,TAXBLOCK 223	266 WEST STREET	SE 0 - 1/8 (0.002 mi.)	A11	70
LOT 11,TAXBLOCK 223	***35 DESBROSSES STREET***	***SE 0 - 1/8 (0.002 mi.)***	***A12***	***71***
LOT 20,TAXBLOCK 223	***426 WASHINGTON STREE***	***SE 0 - 1/8 (0.002 mi.)***	***A13***	***71***
LOT 3,TAXBLOCK 223	264 WEST STREET	SE 0 - 1/8 (0.002 mi.)	A14	72
LOT 26,TAXBLOCK 223	437 WASHINGTON STREE	E 0 - 1/8 (0.003 mi.)	A15	72
LOT 21,TAXBLOCK 224	445 WASHINGTON STREE	ENE 0 - 1/8 (0.003 mi.)	A16	73
LOT 23,TAXBLOCK 223	431 WASHINGTON STREE	SE 0 - 1/8 (0.003 mi.)	A17	73
LOT 36,TAXBLOCK 224	DESBROSSES STREET	NE 0 - 1/8 (0.013 mi.)	A25	87
LOT 23,TAXBLOCK 224	449 WASHINGTON STREE	NNE 0 - 1/8 (0.020 mi.)	A33	98
LOT 1,TAXBLOCK 224	450 WASHINGTON STREE	NNE 0 - 1/8 (0.030 mi.)	A41	109
LOT 33,TAXBLOCK 224	24 DESBROSSES STREET	E 0 - 1/8 (0.043 mi.)	B49	121
LOT 33,TAXBLOCK 223	442 GREENWICH STREET	ESE 0 - 1/8 (0.043 mi.)	B50	121
APPLE FIBERS; INC.	***444 GREENWICH STREET***	***ESE 0 - 1/8 (0.043 mi.)***	***B51***	***122***
LOT 29,TAXBLOCK 223	450 GREENWICH STREET	E 0 - 1/8 (0.043 mi.)	B52	123
LOT 32,TAXBLOCK 224	454 GREENWICH STREET	E 0 - 1/8 (0.043 mi.)	B53	123
LOT 35,TAXBLOCK 223	438 GREENWICH STREET	ESE 0 - 1/8 (0.044 mi.)	B54	124
LOT 51,TAXBLOCK 595	142 WATTS STREET	NNE 0 - 1/8 (0.046 mi.)	D56	126
LOT 22,TAXBLOCK 595	456 WASHINGTON STREE	NNE 0 - 1/8 (0.047 mi.)	D57	126
LOT 1,TAXBLOCK 222	443 GREENWICH STREET	ESE 0 - 1/8 (0.047 mi.)	B61	132
LOT 14,TAXBLOCK 217	401 WASHINGTON STREE	S 0 - 1/8 (0.063 mi.)	F78	194
LOT 17,TAXBLOCK 217	422 GREENWICH STREET	SSE 0 - 1/8 (0.073 mi.)	F84	203
LOT 4,TAXBLOCK 225	123 WATTS STREET	ENE 0 - 1/8 (0.075 mi.)	G87	220
LOT 6,TAXBLOCK 225	115 WATTS STREET	ENE 0 - 1/8 (0.092 mi.)	G106	251

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LOT 8,TAXBLOCK 594	505 CANAL STREET	NE 0 - 1/8 (0.099 mi.)	G119	328
LOT 7501,TAXBLOCK 59	479 GREENWICH STREET	NE 0 - 1/8 (0.100 mi.)	G124	336
LOT 115,TAXBLOCK 594	503 CANAL STREET	ENE 0 - 1/8 (0.108 mi.)	G140	392
LOT 113,TAXBLOCK 594	499 CANAL STREET	ENE 0 - 1/8 (0.110 mi.)	G144	398
LOT 112,TAXBLOCK 594	497 CANAL STREET	ENE 0 - 1/8 (0.111 mi.)	G149	406
LOT 111,TAXBLOCK 594	495 CANAL STREET	ENE 0 - 1/8 (0.111 mi.)	G150	406
LOT 84,TAXBLOCK 595	484 GREENWICH STREET	NNE 0 - 1/8 (0.111 mi.)	L151	407
LOT 59,TAXBLOCK 595	533 CANAL STREET	NNE 0 - 1/8 (0.111 mi.)	L154	410
LOT 52,TAXBLOCK 595	523 CANAL STREET	NNE 0 - 1/8 (0.112 mi.)	L159	423
LOT 83,TAXBLOCK 595	486 GREENWICH STREET	NNE 0 - 1/8 (0.114 mi.)	L162	431
LOT 3,TAXBLOCK 219	52 LAIGHT STREET	SE 0 - 1/8 (0.117 mi.)	J174	454
LOT 82,TAXBLOCK 595	488 GREENWICH STREET	NNE 0 - 1/8 (0.118 mi.)	L176	455
LOT 1,TAXBLOCK 215	10 HUBERT STREET	SE 0 - 1/8 (0.118 mi.)	J177	455

Lower Elevation	Address	Direction / Distance	Map ID	Page
LOT 9,TAXBLOCK 223	***270 WEST STREET***	***WNW 0 - 1/8 (0.024 mi.)***	***A37***	***104***
LOT 1,TAXBLOCK 595	281 WEST STREET	NNW 0 - 1/8 (0.052 mi.)	D66	146
LOT 7503,TAXBLOCK 21	250 WEST STREET	SSW 0 - 1/8 (0.080 mi.)	H92	232
LOT 10,TAXBLOCK 595	290 WEST STREET	N 0 - 1/8 (0.099 mi.)	K118	327
LOT 9,TAXBLOCK 595	536I CANAL STREET	NNE 0 - 1/8 (0.106 mi.)	K138	390

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 4 EDR MGP sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
CON EDISON - CANAL S	CANAL STREET	ESE 1/2 - 1 (0.636 mi.)	392	1077
CON EDISON - CROSS/L	60 CENTRE ST	SE 1/2 - 1 (0.713 mi.)	393	1077
CON EDISON - HESTER	HESTER STREET	ESE 1/2 - 1 (0.837 mi.)	394	1077
CON EDISON - ROOSEVE	PEARL ST. BETWEEN PA	SE 1/2 - 1 (0.941 mi.)	395	1078

EXECUTIVE SUMMARY

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

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 19 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	33 DESBROSSES ST	0 - 1/8 (0.000 mi.)	A4	51
Not reported	70 VESTRY ST	S 0 - 1/8 (0.012 mi.)	A20	79
Not reported	446 WASHINGTON ST	NE 0 - 1/8 (0.015 mi.)	A31	96
Not reported	440 GREENWICH ST	ESE 0 - 1/8 (0.029 mi.)	A40	108
Not reported	124 WATTS ST	ENE 0 - 1/8 (0.075 mi.)	G89	229
Not reported	473 GREENWICH ST	NE 0 - 1/8 (0.078 mi.)	D91	232
Not reported	500 CANAL ST	NE 0 - 1/8 (0.099 mi.)	G113	284
Not reported	54 LAIGHT ST	SE 0 - 1/8 (0.099 mi.)	J121	330
Not reported	510 CANAL ST	NNE 0 - 1/8 (0.101 mi.)	L128	347
Not reported	489 CANAL ST	ENE 0 - 1/8 (0.115 mi.)	G171	446
Not reported	488 GREENWICH ST	NNE 0 - 1/8 (0.118 mi.)	L175	454
Not reported	490 GREENWICH ST	NNE 0 - 1/8 (0.122 mi.)	L181	471
Not reported	166 HUDSON ST	SE 1/8 - 1/4 (0.138 mi.)	J205	534
Not reported	489 WASHINGTON ST	NNE 1/8 - 1/4 (0.164 mi.)	Q225	572
Not reported	57 BEACH ST	SSE 1/8 - 1/4 (0.170 mi.)	T239	613
Not reported	75 VARICK ST	E 1/8 - 1/4 (0.208 mi.)	W286	769
Not reported	36 ERICSSON PL	SE 1/8 - 1/4 (0.213 mi.)	Z296	789

Lower Elevation	Address	Direction / Distance	Map ID	Page
Not reported	266 WEST ST	WSW 0 - 1/8 (0.023 mi.)	A35	101
Not reported	290 WEST ST	NNW 0 - 1/8 (0.082 mi.)	E93	232

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

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 3 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

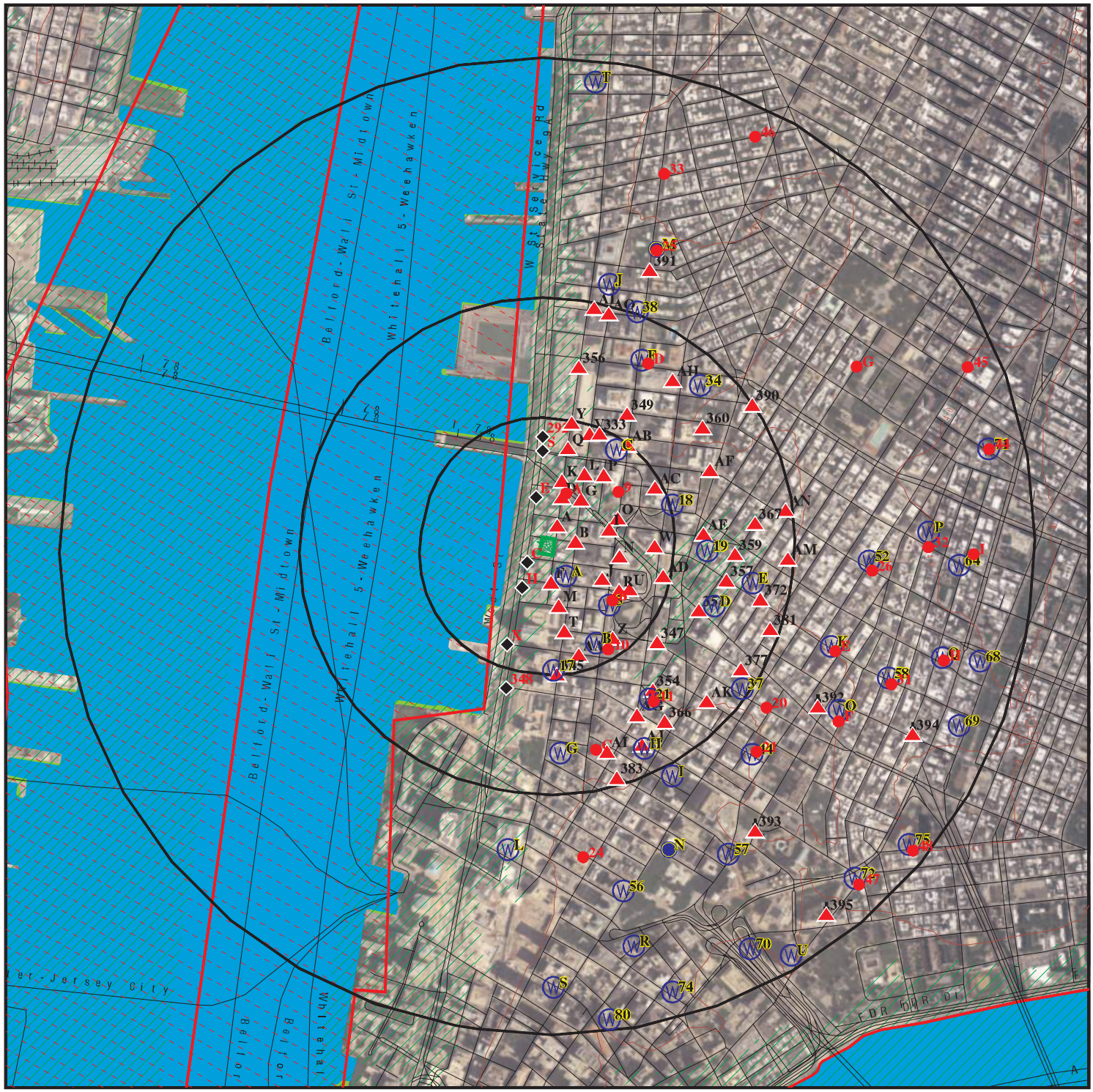
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
Not reported	397 GREENWICH ST	SSE 1/8 - 1/4 (0.160 mi.)	T223	570
Not reported	395 GREENWICH ST	S 1/8 - 1/4 (0.167 mi.)	T229	580
Not reported	370 GREENWICH ST	S 1/8 - 1/4 (0.249 mi.)	345	946

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 11 records.

Site Name	Database(s)
ROUTE 9A RECONSTRUCTION PROJECT	NY SHWS
WEST 9TH STREET PLUME TRACKDOWN	NY SHWS
331 WEST 211TH STREET	NY LTANKS
2ND AVE SUBWAY PROJECT-NYCT	NY LTANKS
HUDSON TRANSIT	NY LTANKS
EXCAVAVTION	NY LTANKS
NY MERCHANTILE EXCHANGE INC	NY LTANKS
239 WEST 264TH ST	NY LTANKS
76TH ST BET. BROADWAY	NY LTANKS
CE - W. 18TH ST. GAS WORKS	NY VCP
CE - CANAL ST. WORKS	NY VCP

OVERVIEW MAP - 4275967.2S

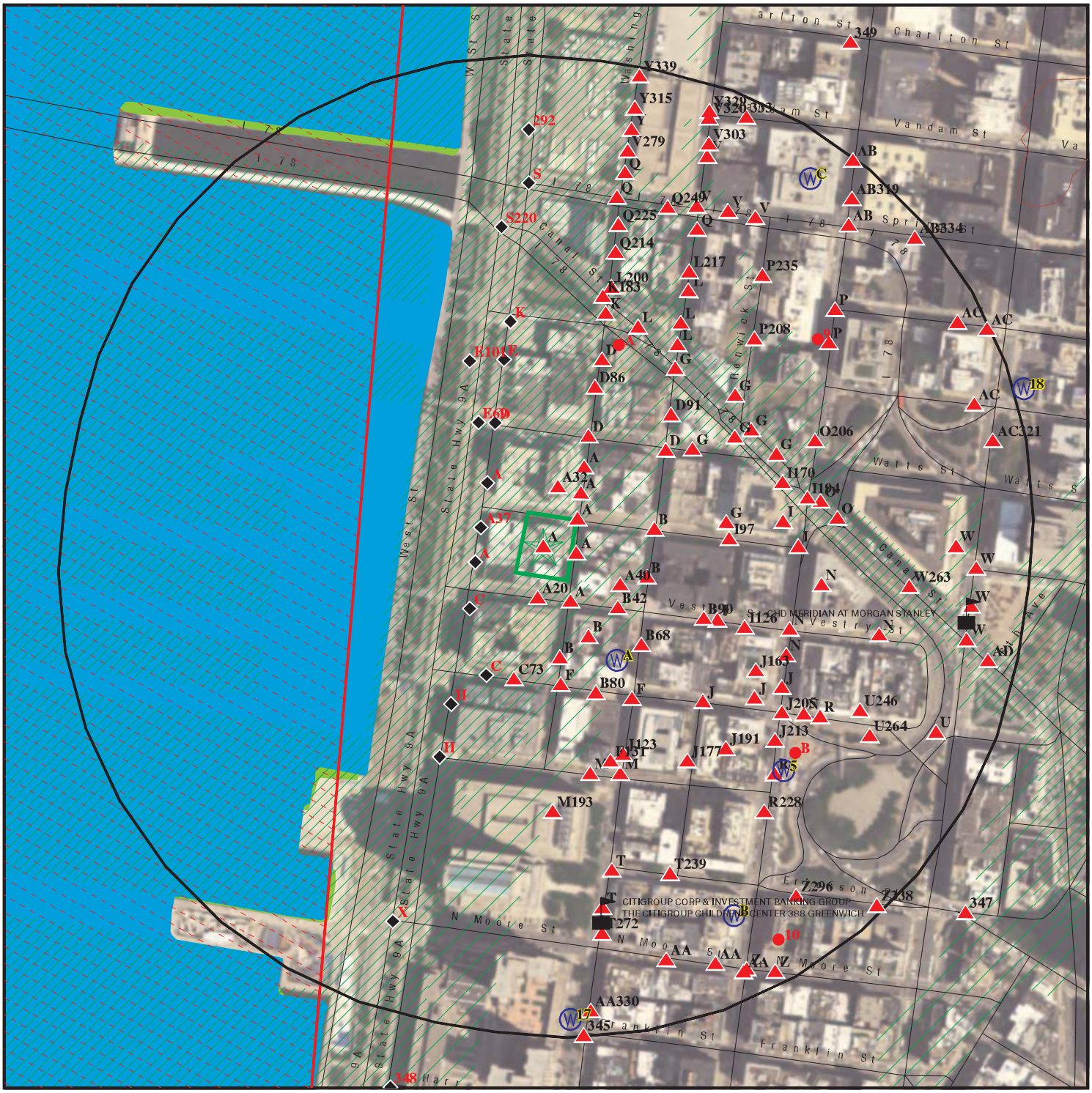


- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Oil & Gas pipelines from USGS
- 100-year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

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

SITE NAME: 440 - 432 Washington Street ADDRESS: 440 Washington Street New York NY 10013 LAT/LONG: 40.7233 / 74.0107	CLIENT: Langan Engineering, Inc. CONTACT: Renate Crollini INQUIRY #: 4275967.2s DATE: April 27, 2015 1:00 pm

DETAIL MAP - 4275967.2S



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

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

SITE NAME:	440 - 432 Washington Street	CLIENT:	Langan Engineering, Inc.
ADDRESS:	440 Washington Street New York NY 10013	CONTACT:	Renate Crollini
LAT/LONG:	40.7233 / 74.0107	INQUIRY #:	4275967.2s
		DATE:	April 27, 2015 1:02 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		1	0	0	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		1	0	0	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		5	6	NR	NR	NR	11
RCRA-SQG	0.250		1	2	NR	NR	NR	3
RCRA-CESQG	0.250	1	34	31	NR	NR	NR	66
Federal institutional controls / engineering controls registries								
US ENG CONTROLS	0.500		1	0	0	NR	NR	1
US INST CONTROL	0.500		1	0	0	NR	NR	1
LUCIS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	0	1	NR	1
NJ SHWS	1.000		0	0	0	0	NR	0
NY VAPOR REOPENED	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		1	1	0	NR	NR	2
NJ SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
NY LTANKS	0.500		8	8	41	NR	NR	57

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
NY TANKS	0.250		2	0	NR	NR	NR	2
NY UST	0.250		10	12	NR	NR	NR	22
NJ UST	0.250		0	0	NR	NR	NR	0
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY AST	0.250		17	23	NR	NR	NR	40
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
NY ENG CONTROLS	0.500		1	0	0	NR	NR	1
NJ ENG CONTROLS	0.500		0	0	0	NR	NR	0
NY INST CONTROL	0.500		1	0	0	NR	NR	1
NJ INST CONTROL	0.500		0	0	0	NR	NR	0
NY RES DECL	0.125		5	NR	NR	NR	NR	5
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
NJ VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY ERP	0.500		0	0	0	NR	NR	0
NY BROWNFIELDS	0.500		2	2	1	NR	NR	5
NJ BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
NY SWTIRE	0.500		0	0	0	NR	NR	0
NY SWRCY	0.500		1	0	1	NR	NR	2
NJ SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY DEL SHWS	1.000		0	0	0	0	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		4	4	NR	NR	NR	8
NY HIST AST	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
NY LIENS	TP		NR	NR	NR	NR	NR	0
NJ LIENS	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
NY Spills	0.125		33	NR	NR	NR	NR	33
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NJ SPILLS 90	0.125		0	NR	NR	NR	NR	0
NJ SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		18	46	NR	NR	NR	64
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	NR	0
CONSENT	1.000		1	0	0	0	NR	1
ROD	1.000		1	0	0	0	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	1	NR	NR	1
NY UIC	TP		NR	NR	NR	NR	NR	0
NJ UIC	TP		NR	NR	NR	NR	NR	0
NY MANIFEST	0.250	1	56	88	NR	NR	NR	145
NJ MANIFEST	0.250		1	3	NR	NR	NR	4
PA MANIFEST	0.250		0	2	NR	NR	NR	2
NY DRYCLEANERS	0.250		0	1	NR	NR	NR	1
NJ DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY SPDES	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NJ NPDES	TP		NR	NR	NR	NR	NR	0
NY AIRS	TP		NR	NR	NR	NR	NR	0
NJ AIRS	TP		NR	NR	NR	NR	NR	0
NY E DESIGNATION	0.125	1	44	NR	NR	NR	NR	45
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
NY Financial Assurance	TP		NR	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
NJ COAL ASH	0.500		0	0	0	NR	NR	0
NJ Financial Assurance	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	4	NR	4
EDR US Hist Auto Stat	0.250	1	14	5	NR	NR	NR	20
EDR US Hist Cleaners	0.250		0	3	NR	NR	NR	3
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA LF	TP		NR	NR	NR	NR	NR	0
NY RGA HWS	TP		NR	NR	NR	NR	NR	0
NJ RGA HWS	TP		NR	NR	NR	NR	NR	0
NJ RGA LF	TP		NR	NR	NR	NR	NR	0
- Totals --		5	265	237	45	5	0	556

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **LOT 15,TAXBLOCK 223** **NY E DESIGNATION** **S108469727**
Target **432 WASHINGTON STREET** **N/A**
Property **MANHATTAN, NY**

Site 1 of 41 in cluster A

Actual:
7 ft.

E DESIGNATION:

Tax Lot(s):	15
Tax Block:	223
Borough Code:	Not reported
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

A2 **EDR US Hist Auto Stat** **1015493353**
Target **432 WASHINGTON ST** **N/A**
Property **NEW YORK, NY 10013**

Site 2 of 41 in cluster A

Actual:
7 ft.

EDR Historical Auto Stations:

Name:	AUTOMOTIVE SERVICE SYSTEMS INC
Year:	2009
Address:	432 WASHINGTON ST

A3 **CON EDISON SERVICE BOX: 49043** **RCRA-CESQG** **1016149875**
Target **432 WASHINGTON ST FRONT OF** **FINDS** **NYP004285417**
Property **NEW YORK, NY 10013** **NY MANIFEST**

Site 3 of 41 in cluster A

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/25/2013
Facility name:	CON EDISON SERVICE BOX: 49043
Facility address:	432 WASHINGTON ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004285417
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or

CON EDISON SERVICE BOX: 49043 (Continued) **1016149875**

other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055467784

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004285417
Country:	USA
Location Address 1:	432 WASHINGTON ST
Location Address 2:	SERV BOX 49043
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003

CON EDISON SERVICE BOX: 49043 (Continued) **1016149875**

Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/25/2013
Trans1 Recv Date: 01/25/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/25/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004285417
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 300
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010707289JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

NPL **HUDSON RIVER PCBS** **NPL** **1000384273**
Region **NO STREET APPLICABLE** **CERCLIS** **NYD980763841**
West **HUDSON RIVER, NY 12839** **RCRA-SQG**
< 1/8 **US ENG CONTROLS**
462 ft. **US INST CONTROL**
CONSENT
ROD
NY MANIFEST
NY Spills
PRP

NPL:
EPA ID: NYD980763841
EPA Region: 02
Federal: N
Final Date: 1984-09-21 00:00:00

HUDSON RIVER PCBS (Continued) **1000384273**

Category Details:

NPL Status:	Currently on the Final NPL
Category Description:	Depth To Aquifer-<= 10 Feet
Category Value:	0

NPL Status:	Currently on the Final NPL
Category Description:	Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value:	10

Site Details:

Site Name:	HUDSON RIVER PCBS
Site Status:	Final
Site Zip:	12801
Site City:	HUDSON RIVER
Site State:	NY
Federal Site:	No
Site County:	WASHINGTON
EPA Region:	02
Date Proposed:	09/08/83
Date Deleted:	Not reported
Date Finalized:	09/21/84

Substance Details:

NPL Status:	Currently on the Final NPL
Substance ID:	Not reported
Substance:	Not reported
CAS #:	Not reported
Pathway:	Not reported
Scoring:	Not reported

NPL Status:	Currently on the Final NPL
Substance ID:	A046
Substance:	POLYCHLORINATED BIPHENYLS
CAS #:	1336-36-3
Pathway:	AIR PATHWAY
Scoring:	4

NPL Status:	Currently on the Final NPL
Substance ID:	A046
Substance:	POLYCHLORINATED BIPHENYLS
CAS #:	1336-36-3
Pathway:	SURFACE WATER PATHWAY
Scoring:	4

Summary Details:

Conditions at listing September 1983): The Hudson River PCBs Site is a 40-mile stretch of the Hudson River between Mechanicville and Fort Edward, New York. General Electric Co. discharged an estimated l.l million pounds of PCBs into this stretch of river. The State has identified 40 hot spots, defined as sediments contaminated with greater than 50 parts per million ppm) of PCBs. Also included in the site are five remnant areas, which are river sediments exposed when thelevel of the river was lowered due to removal of the Fort Edward Dam. The State has taken initial measures to stabili e the remnant areas from erosion. In September 1980, Congress passed an amendment to the Clean Water Act CWA) that included the Hudson River PCB

HUDSON RIVER PCBS (Continued) **1000384273**

Reclamation Demonstration Project. Under this legislation, the EPA Administrator could authori e a 75 percent grant, not to exceed 20 million. EPA issued a final Environmental Impact Statement in October 1982 evaluating various dredging alternatives for a demonstration project. EPA has prepared a feasibility study to evaluate alternative remedial actions under CERCLA. The Administrator has determined that CERCLA funds may be used for remedial action atthe remnant areas and for evaluating the effectiveness of the water supply system at Waterford, New York. Status June 1984): EPA has completed a draft feasibility study identifying alternatives for remedial action. A search for partiespotentially responsible for wastes associated with the site has been completed, and EPA has sent letters to two potentially responsible parties notifying them of possible legal action under CERCLA.

Site Status Details:

NPL Status:	Final
Proposed Date:	09/08/1983
Final Date:	09/21/1984
Deleted Date:	Not reported

Narratives Details:

NPL Name:	HUDSON RIVER PCBS
City:	HUDSON RIVER
State:	NY

CERCLIS:

Site ID:	0202229
EPA ID:	NYD980763841
Facility County:	WASHINGTON
Short Name:	HUDSON RIVER PCBS
Congressional District:	21
IFMS ID:	0284
SMSA Number:	2975
USGC Hydro Unit:	02020003
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	N
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	Not reported
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	02
Classification:	Waterways/Creeks/Rivers
Site Settings Code:	SU
NPL Status:	Currently on the Final NPL
DMNSN Unit Code:	Not reported
RBRAC Code:	Not reported
RResp Fed Agency Code:	Not reported
Non NPL Status:	Not reported
Non NPL Status Date:	/ /
Site Fips Code:	36115
CC Concurrence Date:	/ /
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

CERCLIS Site Contact Name(s):
Contact ID: 13002796.00000
Contact Name: JENNIFER LAPOMA
Contact Tel: (212) 637-4328
Contact Title: Remedial Project Manager (RPM)
Contact Email: Not reported

CERCLIS Site Alias Name(s):
Alias ID: 101
Alias Name: HUDSON RIVER PCBS
Alias Address: Not reported
WARREN, NY
Alias ID: 102
Alias Name: HUDSON RIVER PCBS
Alias Address: NO STREET APPLICABLE
NO CITY APPLICABLE, NY 12801
Alias ID: 103
Alias Name: HUDSON RIVER PCBS
Alias Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
Alias Comments: Not reported
Site Description: The Hudson River PCBs Site includes a nearly 200 river-mile stretch of the Hudson River in eastern New York State from the Village of Hudson Falls to the Battery in New York City. The Hudson River has been designated an American Heritage River because of its important role in American history and culture. This federal Superfund Record of Decision (ROD) addresses the risks to people and ecological receptors associated with polychlorinated biphenyls (PCBs) in the in-place sediments of the Upper Hudson River. The Site is divided into the Upper Hudson River which is the length of river between Hudson Falls and the Federal Dam at Troy, New York and the Lower Hudson River which is the length of river between Federal Dam at Troy and the Battery. For purposes of this project, EPA further divided the Upper Hudson River area into three main sections known as River Section 1, River Section 2, and River Section 3. The Site also includes five Remnant Deposits, which are areas of PCB-contaminated sediment that became exposed after the river water level dropped following removal of the Fort Edward Dam in 1973. The Upper Hudson River portion of the Site extends from the Fenimore Bridge in Hudson Falls to the Federal Dam at Troy, a distance of just over 43 river miles. The Lower Hudson River extends from the Federal Dam to the southern tip of Manhattan at the Battery in New York City. The Mid-Hudson River, which is primarily a subset of the Lower Hudson River, extends from the Federal Dam at Troy to just south of Poughkeepsie. The predominant sources of PCB contamination to the Upper Hudson River were two capacitor manufacturing plants owned and operated by GE. The plants are located adjacent to or near the Hudson River in the Village of Hudson Falls and the Town of Fort Edward. Over a 30-year period, the plants discharged a substantial amount of PCBs into the river. At the GE Hudson Falls plant, leakage of non-aqueous phase PCB-bearing oils through bedrock to the river continues to be a source of PCB contamination. Regarding the former outfall to the Hudson River from the GE Fort Edward plant, New York State Department of Environmental Conservation (NYSDEC) issued a Record of Decision in January 2000 that calls for the excavation of PCB-contaminated soil and sediment in this area of the Upper Hudson River shoreline in order to eliminate this source of PCBs to the river. EPA’s analysis assumes a significantly reduced PCB loading to the river from these sources once the State’s plans for remediation are implemented. PCBs, the chemicals of concern addressed in this decision document, have been classified by EPA as probable human

HUDSON RIVER PCBS (Continued) **1000384273**

carcinogens. They are also linked to other serious non- cancer adverse health effects based on observations in animals and emerging evidence in humans. Once discharged from the GE plants, the PCBs adhered to river sediment and accumulated downstream as they settled in impounded pools and other depositional areas. Historic fish and sediment data indicated PCBs were accumulating downstream of the old Fort Edward Dam as well as accumulating behind the dam. The removal of the dam in 1973 resulted in a remobilization and downstream distribution of PCBs that had accumulated behind the dam. Historically, the highest PCB sediment concentrations have been detected in the cohesive sediments within the Upper Hudson River. River scouring/ erosion and other mechanisms have mobilized PCB- contaminated sediments from the extensive cohesive deposits, redepositing them farther downstream all the way to the Battery. The preponderance of data indicates that burial of contaminated sediment by cleaner materials is not universally or uniformly occurring. Data also indicate that contaminated sediments in River Sections 1, 2 and 3 continue to serve as the major source of PCBs to the water column and the fish within the Upper Hudson River. During an approximate 30-year period ending in 1977, PCBs were used in capacitor manufacturing operations Hudson Falls and Fort Edward, New York facilities. PCB oils were discharged both directly and indirectly from these plants into the Hudson River. This included both non-permitted and permitted discharges. Even after permits were received in 1975, permit exceedances occurred. Estimates of the total quantity of PCBs discharged directly from the two plants into the river from the 1940s to 1977 are as high as 1,330,000 pounds (about 605,000 kg). Many of the PCBs discharged to the river adhered to sediments and accumulated with the sediments as they settled in the impounded pool behind the Fort Edward Dam, as well as other depositional areas farther downstream. Because of its deteriorating condition, the Fort Edward Dam was removed in 1973. Five areas of PCB-contaminated sediments were exposed due to the lowering of the river water level when the Fort Edward Dam was removed. These five areas are known as the Remnant Deposits. During subsequent floods, PCB-contaminated sediments from the Fort Edward Dam area were scoured and transported downstream. EPA notified the company that had the two plants of the remedy selected in the 1984 ROD and offered the company the opportunity to implement the selected remedy with respect to the Remnant Deposits and the Waterford drinking water supply evaluation. The company declined EPA's offer. NYSDEC, with funding provided by EPA, conducted the evaluation at the Waterford Water Works. In addition, NYSDEC prepared a design for the in- place containment of the Remnant Deposits. This design was completed in 1988. In March 1989, the company offered to assume responsibility for the implementation of the in-place containment remedy for the Remnant Deposits. EPA issued a September 27, 1989 Administrative Order on Consent to the company which required the company to prepare a remedial design report for the construction of access roads to the Remnant Deposits and to submit a design for the in-place containment of the Remnant Deposits incorporating the NYSDEC-prepared design, plus any EPA-approved refinements to that design. EPA also issued a September 27, 1989 Administrative Order to the company requiring the company to construct and maintain the access roads to the Remnant Deposits. The company constructed the in-place containment of the Remnant Deposits under a 1990 Consent Decree with EPA. EPA will evaluate the need for further remedial action for the Remnant Deposits after completion of a 5-year review of the Remnant Deposit containment remedy, performed pursuant to CERCLA ?121(c). The company's manufacturing plants in Hudson Falls and Fort Edward are listed under the New York State Inactive Hazardous Waste Disposal Sites Remedial program. The company currently is conducting remedial activities near the Hudson Falls and Fort Edward plants pursuant to Orders on Consent with NYSDEC. The company has thus far declined to implement the January 2000 NYSDEC Record of Decision for the Fort Edward plant Outfall 004. The NYSDEC is

HUDSON RIVER PCBS (Continued) **1000384273**

conducting the remedial design for that ROD. As one of America's great rivers, the Hudson has played and will continue to play a major role in the history, culture, and economy of the area. The Hudson has been designated an American Heritage River because of its important role in American history and culture. Current and reasonably-anticipated future land use and surface water use are described below. Current land use includes a variety of residential, commercial and industrial activities. Use of the river and lands surrounding the river are projected to remain the same. At this time, no changes in future land use are known, nor are any new uses expected. The Site passes through 14 different counties as the river flows to its final discharge point in New York Harbor. Four counties (Albany, Washington, Rensselaer, and Saratoga) lie adjacent to the more highly contaminated portions (areas of proposed active remediation in River Sections 1, 2 and 3) of the Upper Hudson River between Troy (Federal Dam) and Hudson Falls. Within these four counties, forests and farmlands surround urban centers and historic villages. There are apple orchards and dairy farms, parks, nature preserves and gardens. In addition to the GE Hudson Falls and Fort Edward plants, the area is home to technology companies, oil service companies and food companies. Saratoga and Washington Counties have experienced population growth between 1990 and 1999 of 10.2 percent and 1.4 percent, respectively, while Rensselaer and Albany Counties have experienced population declines of 1.9 percent and 0.3 percent, respectively. Total population of these four counties, according to July 1999 estimates by the US Department of Commerce Bureau of the Census, is just under 700,000. Warren County, in which the City of Glens Falls is located, has a population of just over 60,000 and is just to the northwest of the Hudson River PCBs Site. A Record of Decision (ROD) addressing operable unit 1 (OU 01) was completed in September 1984. A Record of Decision addressing OU 2 was completed in February 2002.

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	07/01/83
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	SITE INSPECTION
Date Started:	08/01/83
Date Completed:	09/01/83
Priority Level:	Higher priority for further assessment
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code: 001
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 09/01/83
Priority Level: Low priority for further assessment
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: PROPOSAL TO NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 09/08/83
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH
Date Started: / /
Date Completed: 11/15/83
Priority Level: Search Complete, Viable PRPs
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started: / /
Date Completed: 09/21/84
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 03/30/84

HUDSON RIVER PCBS (Continued) **1000384273**

Date Completed: 09/25/84
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 09/25/84
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 10/27/83
Date Completed: 09/28/84
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTATIVE/VOLUNTARY COST RECOVERY
Date Started: / /
Date Completed: 05/04/88
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL DESIGN
Date Started: 02/02/89
Date Completed: 06/05/89
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: EPA Fund-Financed

HUDSON RIVER PCBS (Continued) **1000384273**

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 06/09/89
Date Completed: 09/27/89
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 06/09/89
Date Completed: 09/27/89
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 09/27/89
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 09/27/89
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 03/03/89
Date Completed: 04/06/90
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Alternate
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL DESIGN
Date Started: 09/28/84
Date Completed: 05/18/90
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: State, Fund Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Original Action Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Lodged By DOJ
Date Started: / /
Date Completed: 05/18/90
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: CONSENT DECREE
Date Started: 04/06/90
Date Completed: 07/21/90
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Federal Enforcement
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001

HUDSON RIVER PCBS (Continued) **1000384273**

Action:	REMOVAL ASSESSMENT
Date Started:	04/17/90
Date Completed:	08/21/90
Priority Level:	Stabilized
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	002
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	09/27/89
Date Completed:	09/28/90
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started:	03/12/90
Date Completed:	10/04/90
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Alternate
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	05/18/89
Date Completed:	01/07/91
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING
Primary Responsibility:	Responsible Party
Planning Status:	Primary
Urgency Indicator:	Not reported
Action Anomaly:	New Action Resulting from Take Over

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started:	10/13/89
Date Completed:	09/29/92
Priority Level:	Not reported
Operable Unit:	REMNANT DEPOSIT CAPPING

HUDSON RIVER PCBS (Continued) **1000384273**

Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 09/28/90
Date Completed: 09/29/92
Priority Level: Not reported
Operable Unit: REMNANT DEPOSIT CAPPING
Primary Responsibility: Responsible Party
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMOVAL ASSESSMENT
Date Started: 11/19/92
Date Completed: 12/01/92
Priority Level: Stabilized
Operable Unit: ROGER'S ISLAND
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: COMFORT/STATUS LETTER
Date Started: / /
Date Completed: 11/02/98
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: REMOVAL ASSESSMENT
Date Started: 10/14/98
Date Completed: 01/07/99
Priority Level: Not reported
Operable Unit: ROGER'S ISLAND
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMOVAL ASSESSMENT
Date Started: 06/03/98
Date Completed: 06/24/99
Priority Level: Not reported
Operable Unit: ROGER'S ISLAND
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Public Notice Published
Date Started: / /
Date Completed: 03/28/00
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL
Date Started: 10/06/99
Date Completed: 09/14/01
Priority Level: Stabilized
Operable Unit: ROGER'S ISLAND
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: COMBINED REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 07/25/90
Date Completed: 02/01/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: RECORD OF DECISION
Date Started: / /
Date Completed: 02/01/02

HUDSON RIVER PCBS (Continued) **1000384273**

Priority Level: Final Remedy Selected at Site
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: Special Notice Issued
Date Started: / /
Date Completed: 02/04/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: Special Notice Issued
Date Started: / /
Date Completed: 02/04/02
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: Special Notice Issued
Date Started: / /
Date Completed: 02/04/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 02/04/02
Date Completed: 07/23/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement

HUDSON RIVER PCBS (Continued) **1000384273**

Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 07/23/02
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 07/23/02
Date Completed: 08/13/03
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 08/13/03
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: EXPANDED SITE INSPECTION/REMEDIAL INVESTIGATION
Date Started: / /
Date Completed: 08/31/05
Priority Level: Referred to Removal, no further Rmdl Asmt
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007
Action: REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started: 02/04/02
Date Completed: 09/06/05
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE GRANT
Date Started: 09/29/95
Date Completed: 09/20/05
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: Lodged By DOJ
Date Started: / /
Date Completed: 10/06/05
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: COMMUNITY INVOLVEMENT
Date Started: 03/25/02
Date Completed: 11/02/06
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Remedial
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: CONSENT DECREE

HUDSON RIVER PCBS (Continued) **1000384273**

Date Started: 09/06/05
Date Completed: 11/02/06
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 03/29/07
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: STATE SUPPORT AGENCY COOPERATIVE AGREEMENT
Date Started: 02/22/91
Date Completed: 04/03/07
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMOVAL NEGOTIATIONS
Date Started: / /
Date Completed: 07/11/07
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 07/11/07
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU

HUDSON RIVER PCBS (Continued) **1000384273**

Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started: 08/24/07
Date Completed: 08/27/07
Priority Level: Cleaned up
Operable Unit: SITEWIDE
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Emergency
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 08/14/03
Date Completed: 01/25/08
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Phased Start

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: SECTION 104(E) REF LITIGATION
Date Started: 09/27/07
Date Completed: 07/28/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 09/05/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 09/05/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS
Date Started: 02/04/02
Date Completed: 09/08/08
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: ADMINISTRATIVE ORDER ON CONSENT
Date Started: / /
Date Completed: 09/08/08
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 09/11/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

HUDSON RIVER PCBS (Continued) **1000384273**

Action Code: 006
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 10/14/08
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007
Action: UNILATERAL ADMIN ORDER
Date Started: / /
Date Completed: 02/03/09
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: Federal Enforcement
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: REMEDIAL ACTION
Date Started: 05/09/08
Date Completed: 11/24/09
Priority Level: Final RA Report
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Special Account Financed Action - EPA
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMEDIAL ACTION
Date Started: 12/04/08
Date Completed: 12/23/09
Priority Level: Final RA Report
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Special Account Financed Action - EPA
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 08/14/03
Date Completed: 04/26/11
Priority Level: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMOVAL
Date Started: 09/11/07
Date Completed: 04/10/12
Priority Level: Stabilized
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Time Critical
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: FIVE-YEAR REVIEW
Date Started: / /
Date Completed: 06/01/12
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 09/06/05
Date Completed: 09/04/12
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: TECHNICAL ASSISTANCE
Date Started: 09/30/97
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: REMEDIAL DESIGN
Date Started: 02/15/02
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Special Account Financed Action - EPA
Planning Status: Primary
Urgency Indicator: Not reported
Action Anomaly: Other Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 003
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started: 07/23/02
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Phased Start & Completion

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: TECHNICAL ASSISTANCE
Date Started: 07/08/03
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REMEDIAL ACTION
Date Started: 01/19/07
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Special Account Financed Action - State
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Other Start and Completion Anomaly

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: REAL PROPERTY ACQUISITION
Date Started: 02/15/08
Date Completed: / /
Priority Level: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Not reported
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started: 09/08/08
Date Completed: / /
Priority Level: Not reported
Operable Unit: FLOODPLAINS OU
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002
Action: TECHNICAL ASSISTANCE GRANT
Date Started: 11/17/09
Date Completed: / /
Priority Level: Not reported
Operable Unit: SITEWIDE
Primary Responsibility: EPA Fund-Financed
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 004
Action: POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started: 12/31/10
Date Completed: / /
Priority Level: Not reported
Operable Unit: REASSESSMENT RIVER
Primary Responsibility: Responsible Party
Planning Status: Not reported
Urgency Indicator: Not reported
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:
Fed Register Date: 09/21/84
Fed Register Volume: 49
Page Number: 37070

Fed Register Date: 09/08/83
Fed Register Volume: 48
Page Number: 40674

Click this hyperlink while viewing on your computer to access
3292 additional US CERCLIS Financial: record(s) in the EDR Site Report.

HUDSON RIVER PCBS (Continued) **1000384273**

RCRA-SQG:
Date form received by agency: 03/03/2014
Facility name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Facility address: 446 LOCK 8 WAY
HUDSON FALLS, NY 12839
EPA ID: NYD980763841
Mailing address: BROADWAY
BLDG 40
FORT EDWARD, NY 12828
Contact: JAY SNOW
Contact address: BROADWAY BLDG 40
FORT EDWARD, NY 12828
Contact country: US
Contact telephone: (518) 746-5678
Contact email: JAY.SNOW@GE.COM
EPA Region: 02
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: GE HUDSON RIVER SEDIMENT REMEDIATION
Owner/operator address: BROADWAY
FORT EDWARD, NY 12828
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 04/23/2007
Owner/Op end date: Not reported

Owner/operator name: GE HUDSON RIVER SEDIMENT REMEDIATION
Owner/operator address: BROADWAY
FORT EDWARD, NY 12828
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/23/2007
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No

HUDSON RIVER PCBS (Continued) **1000384273**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: B007
. Waste name: B007

Historical Generators:
Date form received by agency: 03/01/2012
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Classification: Large Quantity Generator

. Waste code: B002
. Waste name: B002

. Waste code: B007
. Waste name: B007

Date form received by agency: 03/03/2010
Site name: GE HUDSON RIVER SEDIMENT REMEDIATION PROCESSING AND TRANSPORTATION FACILITY
Classification: Large Quantity Generator

. Waste code: B007
. Waste name: B007

Date form received by agency: 08/29/2008
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) SUPERFUND USEPA
Classification: Large Quantity Generator

Date form received by agency: 01/01/2007
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Site name: HUDSON RIVER PCBS (ROGERS ISLAND) USEPA
Classification: Large Quantity Generator

Violation Status: No violations found

US ENG CONTROLS:

HUDSON RIVER PCBS (Continued) **1000384273**

EPA ID: NYD980763841
Site ID: 0202229
Name: HUDSON RIVER PCBS
Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
EPA Region: 02
County: WASHINGTON
Event Code: Not reported
Actual Date: 12/30/2001

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Containment, (N.O.S.)

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: No Action

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Revegetation

Action ID: 001
Action Name: RECORD OF DECISION
Action Completion date: 09/25/1984
Operable Unit: 01
Contaminated Media : Sediment
Engineering Control: Slope Stabilization

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Dewatering

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Disposal

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment

HUDSON RIVER PCBS (Continued) **1000384273**

Engineering Control: Excavation

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Sediment
Engineering Control: Solidification/Stabilization (Ex-Situ)

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Monitoring

Action ID: 002
Action Name: RECORD OF DECISION
Action Completion date: 02/01/2002
Operable Unit: 02
Contaminated Media : Surface Water
Engineering Control: Natural Attenuation

US INST CONTROL:
EPA ID: NYD980763841
Site ID: 0202229
Name: HUDSON RIVER PCBS
Action Name: RECORD OF DECISION
Address: NO STREET APPLICABLE
HUDSON RIVER, NY 12801
EPA Region: 02
County: WASHINGTON
Event Code: Not reported
Inst. Control: Fishing Advisory
Actual Date: 12/30/2001
Complet. Date: 02/01/2002
Operable Unit: 02
Contaminated Media : Surface Water

CONSENT:
EPA ID: NYD980763841
Site ID: 0284
Case Title: U.S.V. GENERAL ELECTRIC COMPANY (HUDSON RIVER) (EPA-SUPERFUND)
Court Num: 05-1270
District: New York, North
Entered Date: 11/02/06
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

ROD:
Full-text of USEPA Record of Decision(s) is available from EDR.

NY MANIFEST:

HUDSON RIVER PCBS (Continued) **1000384273**

EPA ID: NYD980763841
Country: USA
Location Address 1: 446 LOCK 8 WAY
Location Address 2: Not reported
Location City: HUDSON FALLS
Location State: NY
Location Zip Code: 12839
Location Zip Code 4: Not reported

Mailing Info:
Name: GE HUDSON RIVER PROJECT
Contact: GE HUDSON RIVER PROJECT
Address: 381 BROADWAY
Address 2: BLDG 40-2
City/State/Zip: FORT EDWARD, NY 12828
Country: USA
Phone: 518-747-3844

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD986068139
Trans2 State ID: FLD006921340
Generator Ship Date: 07/27/2014
Trans1 Recv Date: 07/27/2014
Trans2 Recv Date: 08/02/2014
TSD Site Recv Date: 08/02/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD980763841
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: OKD065438376
Waste Code: Not reported
Quantity: 9794.5
Units: T - Tons
Number of Containers: 93
Container Type: BA - Burlap, plastic, paper bags
Handling Method: L Landfill.
Specific Gravity: 1
Year: 2014
Manifest Tracking Num: 002139618GBF
Import Ind: N
Export Ind: N
Discr Quantity Ind: Y
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	07/29/2014
Trans1 Recv Date:	07/29/2014
Trans2 Recv Date:	07/30/2014
TSD Site Recv Date:	08/05/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9784.7
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139619GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	08/03/2014
Trans1 Recv Date:	08/03/2014
Trans2 Recv Date:	08/03/2014
TSD Site Recv Date:	08/09/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9794.4
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014

HUDSON RIVER PCBS (Continued) **1000384273**

Manifest Tracking Num:	002139621GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	08/06/2014
Trans1 Recv Date:	08/06/2014
Trans2 Recv Date:	08/09/2014
TSD Site Recv Date:	08/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9794
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139622GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	08/13/2014
Trans1 Recv Date:	08/13/2014
Trans2 Recv Date:	08/13/2014

HUDSON RIVER PCBS (Continued) **1000384273**

TSD Site Recv Date:	08/21/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9801.3
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139624GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	08/20/2014
Trans1 Recv Date:	08/20/2014
Trans2 Recv Date:	08/20/2014
TSD Site Recv Date:	08/26/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9834.25
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139626GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

HUDSON RIVER PCBS (Continued) **1000384273**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	08/22/2014
Trans1 Recv Date:	08/22/2014
Trans2 Recv Date:	08/23/2014
TSD Site Recv Date:	08/28/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9862.3
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139627GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	08/25/2014
Trans1 Recv Date:	08/25/2014
Trans2 Recv Date:	08/26/2014
TSD Site Recv Date:	09/01/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9843
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139628GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	08/29/2014
Trans1 Recv Date:	08/29/2014
Trans2 Recv Date:	08/30/2014
TSD Site Recv Date:	09/05/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9840.7
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139629GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

HUDSON RIVER PCBS (Continued) **1000384273**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/03/2014
Trans1 Recv Date:	09/03/2014
Trans2 Recv Date:	09/04/2014
TSD Site Recv Date:	09/08/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9804.9
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139630GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/10/2014
Trans1 Recv Date:	09/10/2014
Trans2 Recv Date:	09/11/2014
TSD Site Recv Date:	09/16/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9865.05
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1

HUDSON RIVER PCBS (Continued) **1000384273**

Year:	2014
Manifest Tracking Num:	002139632GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	09/12/2014
TSD Site Recv Date:	09/19/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9883.2
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139633GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/15/2014
Trans1 Recv Date:	09/15/2014

HUDSON RIVER PCBS (Continued) **1000384273**

Trans2 Recv Date:	09/16/2014
TSD Site Recv Date:	09/21/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9878.65
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139634GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986058139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/19/2014
Trans1 Recv Date:	09/19/2014
Trans2 Recv Date:	09/20/2014
TSD Site Recv Date:	09/24/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9876.55
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139635GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N

HUDSON RIVER PCBS (Continued) **1000384273**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/23/2014
Trans1 Recv Date:	09/23/2014
Trans2 Recv Date:	09/24/2014
TSD Site Recv Date:	09/29/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9296.85
Units:	T - Tons
Number of Containers:	88
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139636GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/25/2014
Trans1 Recv Date:	09/25/2014
Trans2 Recv Date:	09/26/2014
TSD Site Recv Date:	10/01/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9901.5
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139637GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	09/30/2014
Trans1 Recv Date:	09/30/2014
Trans2 Recv Date:	10/01/2014
TSD Site Recv Date:	10/07/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9796.75
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139638GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

HUDSON RIVER PCBS (Continued) **1000384273**

Mgmt Method Type Code: H132

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD986068139
Trans2 State ID: FLD006921340
Generator Ship Date: 10/04/2014
Trans1 Recv Date: 10/04/2014
Trans2 Recv Date: 10/05/2014
TSD Site Recv Date: 10/11/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD980763841
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: OKD065438376
Waste Code: Not reported
Quantity: 9797.35
Units: T - Tons
Number of Containers: 93
Container Type: BA - Burlap, plastic, paper bags
Handling Method: L Landfill.
Specific Gravity: 1
Year: 2014
Manifest Tracking Num: 002139639GBF
Import Ind: N
Export Ind: N
Discr Quantity Ind: Y
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H132

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD986068139
Trans2 State ID: FLD006921340
Generator Ship Date: 10/09/2014
Trans1 Recv Date: 10/09/2014
Trans2 Recv Date: 10/10/2014
TSD Site Recv Date: 10/15/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD980763841
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: OKD065438376
Waste Code: Not reported
Quantity: 9792.75
Units: T - Tons
Number of Containers: 93

HUDSON RIVER PCBS (Continued) **1000384273**

Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139641GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD986068139
Trans2 State ID:	FLD006921340
Generator Ship Date:	10/17/2014
Trans1 Recv Date:	10/17/2014
Trans2 Recv Date:	10/18/2014
TSD Site Recv Date:	10/23/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980763841
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OKD065438376
Waste Code:	Not reported
Quantity:	9850.05
Units:	T - Tons
Number of Containers:	93
Container Type:	BA - Burlap, plastic, paper bags
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002139642GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H132

SPILLS:

Facility ID:	0308107
Facility Type:	ER
DER Facility ID:	278391

HUDSON RIVER PCBS (Continued) **1000384273**

Site ID:	237813
DEC Region:	3
Spill Date:	10/31/2003
Spill Number/Closed Date:	0308107 / 10/31/2003
Spill Cause:	Abandoned Drums
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	6000
Investigator:	rxamato
Referred To:	Not reported
Reported to Dept:	10/31/2003
CID:	297
Water Affected:	HUDSON RIVER
Spill Source:	Unknown
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/31/2003
Spill Record Last Update:	11/6/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	PETTY OFFFICER HAWKINS
Contact Phone:	(718) 354-4121
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SMITH"10/31/03: MEG hired by USCG to remove test and dispose. Container did not leak.
Remarks:	CALL TO NRC REPORTING A 55 GALLON DRUM OF UNKNOWN PETROLEUM FLOATING - USCG IS REPOSNDING TO THE SITE

Material:

Site ID:	237813
Operable Unit ID:	874400
Operable Unit:	01
Material ID:	501630
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

PRP:

PRP name:	DELAWARE AND HUDSON RAILWAY CO INC

HUDSON RIVER PCBS (Continued) **1000384273**

GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GENERAL ELECTRIC COMPANY
GOLUB PROPERTIES OF WATERVLIET INC
NEW YORK STATE CANAL CORPORATION
NIAGARA MOHAWK POWER COMPANY
TOWN OF HALFMOON NEW YORK
VILLAGE OF STILLWATER
WATER COMMISSIONERS OF THE TOWN OF WATERFORD

A4 **EDR US Hist Auto Stat** **1015429018**
33 DESBROSSES ST **N/A**
< 1/8 **NEW YORK, NY 10013**
1 ft.

Site 4 of 41 in cluster A

Relative: Higher
Actual: 8 ft.

EDR Historical Auto Stations:
Name: AUTOMOTIVE SERVICE SYSTEMS INC
Year: 2008
Address: 33 DESBROSSES ST

A5 **TRIBECA CONSTRUCTION, LLC** **NY UST** **U004109431**
34 DESBROSSES STREET **N/A**
< 1/8 **NEW YORK, NY 10013**
0.001 mi.
3 ft.

Site 5 of 41 in cluster A

Relative: Higher
Actual: 8 ft.

UST:
Id/Status: 2-610623 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 03/27/2011
UTM X: 583576.33750000002
UTM Y: 4508541.3201900003
Site Type: Other

Affiliation Records:
Site Id: 385235
Affiliation Type: Facility Owner
Company Name: TRIBECA CONSTRUCTION, LLC
Contact Type: REPRESENTATIVE
Contact Name: C.T. GABRIEL
Address1: 1700 BROADWAY, 34TH FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10019
Country Code: 001
Phone: (212) 333-3499
EMail: Not reported
Fax Number: Not reported

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

Modified By:	DXLIVING
Date Last Modified:	8/1/2007
Site Id:	385235
Affiliation Type:	Mail Contact
Company Name:	J.C. BRODERICK & ASSOCIATES, INC. (JCB)
Contact Type:	Not reported
Contact Name:	C.T. GABRIEL
Address1:	420 LAKE AVENUE
Address2:	Not reported
City:	SAINT JAMES
State:	NY
Zip Code:	11780
Country Code:	001
Phone:	(631) 584-5492
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/1/2007
Site Id:	385235
Affiliation Type:	On-Site Operator
Company Name:	TRIBECA CONSTRUCTION, LLC
Contact Type:	Not reported
Contact Name:	TRIBECA CONSTRUCTION LLC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 333-3499
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/1/2007
Site Id:	385235
Affiliation Type:	Emergency Contact
Company Name:	TRIBECA CONSTRUCTION, LLC
Contact Type:	Not reported
Contact Name:	TRIBECA CONSTRUCTION LLC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 333-3499
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/1/2007

Tank Info:

Tank Number:	1

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

Tank ID: 218630
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 275
Install Date: Not reported
Date Tank Closed: 06/04/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 10
Tank ID: 218639
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/19/2007
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	11
Tank ID:	218640
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	06/19/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	08/01/2007

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	12
Tank ID:	218641
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	06/19/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Material Code:	0009
Common Name of Substance:	Gasoline

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 13
Tank ID: 218642
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/19/2007
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 14

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

Tank ID: 218643
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/26/2007
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 2
Tank ID: 218631
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 275
Install Date: Not reported
Date Tank Closed: 06/04/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 3
Tank ID: 218632
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/04/2007
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 4
Tank ID: 218633
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/04/2007
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 5
Tank ID: 218634
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/04/2007
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 6

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

Tank ID: 218635
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/04/2007
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 7
Tank ID: 218636
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1500
Install Date: Not reported
Date Tank Closed: 06/04/2007
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 00
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	8
Tank ID:	218637
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4500
Install Date:	Not reported
Date Tank Closed:	06/04/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	00
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	08/01/2007

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	9
Tank ID:	218638
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	06/19/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Material Code:	0009
Common Name of Substance:	Gasoline

TRIBECA CONSTRUCTION, LLC (Continued) **U004109431**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/01/2007

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

A6 **CON EDISON SERVICE BOX: 49051** **RCRA-CESQG** **1016149826**
NE **442 WASHINGTON ST FRONT OF** **NY MANIFEST** **NYP004284923**
< 1/8 **NEW YORK, NY 10013**
0.001 mi.
6 ft. **Site 6 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:
Date form received by agency: 01/23/2013
Facility name: CON EDISON SERVICE BOX: 49051
Facility address: 442 WASHINGTON ST FRONT OF
NEW YORK, NY 10013
EPA ID: NYP004284923
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

CON EDISON SERVICE BOX: 49051 (Continued) **1016149826**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
- EPA ID: NYP004284923
- Country: USA
- Location Address 1: 442 WASHINGTON ST
- Location Address 2: SERV BOX 49051
- Location City: NEW YORK
- Location State: NY
- Location Zip Code: 10013
- Location Zip Code 4: Not reported

Mailing Info:
- Name: CON EDISON
- Contact: CON EDISON
- Address: 4 IRVING PL 15TH FL
- City/State/Zip: NEW YORK, NY 10003
- Country: USA
- Phone: 212-460-3770

Manifest:

- Document ID: Not reported
- Manifest Status: Not reported
- Trans1 State ID: NJ0000027193
- Trans2 State ID: Not reported
- Generator Ship Date: 01/23/2013
- Trans1 Recv Date: 01/23/2013
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 01/24/2013
- Part A Recv Date: Not reported
- Part B Recv Date: Not reported
- Generator EPA ID: NYP004284923
- Trans1 EPA ID: Not reported
- Trans2 EPA ID: Not reported
- TSDF ID: NJD002200046
- Waste Code: Not reported
- Quantity: 1000
- Units: P - Pounds
- Number of Containers: 1

CON EDISON SERVICE BOX: 49051 (Continued) **1016149826**

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408546JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

A7 **MANHOLE 49054 N/E CRN OF** **NY Spills** **S103484848**
NE **WASHINGTON/DESBROSSES ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.002 mi.
9 ft. **Site 7 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

SPILLS:

Facility ID:	9807991
Facility Type:	ER
DER Facility ID:	197191
Site ID:	239741
DEC Region:	2
Spill Date:	9/30/1998
Spill Number/Closed Date:	9807991 / 9/10/2009
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	9/30/1998
CID:	270
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/30/1998
Spill Record Last Update:	9/10/2009
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	STEVE ROMERO
Contact Phone:	(212) 580-6763
DEC Memo:	09/10/09 - See eDocs for Con Ed report detailing cleanup and

MANHOLE 49054 N/E CRN OF (Continued) **S103484848**

closure.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.

Remarks: 1 QT OIL IN 1000 GAL OF WATER IN MANHOLE

Material:

Site ID:	239741
Operable Unit ID:	1065550
Operable Unit:	01
Material ID:	315528
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

A8 **LOT 18,TAXBLOCK 223** **NY E DESIGNATION** **S108469729**
SE **428 WASHINGTON STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.002 mi.
10 ft. **Site 8 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	18
Tax Block:	223
Borough Code:	Not reported
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported

A9 **LOT 7,TAXBLOCK 223** **NY BROWNFIELDS** **S108469734**
SE **268 WEST STREET** **NY RES DECL** **N/A**
< 1/8 **MANHATTAN, NY 10013** **NY E DESIGNATION**
0.002 mi.
10 ft. **Site 9 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

BROWNFIELDS:

Program:	BCP
Site Code:	493116
Acres:	.555
HW Code:	C231089
SWIS:	3101

LOT 7,TAXBLOCK 223 (Continued) **S108469734**

Town: New York City
Update By: JEBROWN
Site Description: Location: The 268 West Street site is located in an urban area on the west side of Manhattan with a mix of residential and commercial properties. The property was prevously owned by several property owners and identified by the addresses: 33-41 Desbrosses Street, 264-271 West Street, 62-74 Vestry Street, and portions of 440 and 432 Washington Street. It has since been purchased by one owner who now has one property identified as 268 West Street (Block 223, Lot 3 and also tentative Lots 1013 and 1015). The tentative lots are a nine foot strip of the western portion of existing Block 223, Lot 13 and Lot 15. The neighborhood is known as the Tribeca neighborhood of Manhattan. Site Features: The site consists of approximately 0.53 acres. The five vacant buildings on the site consist of a mixture single story buildings, two story buildings and a five story building. The site is in a very flat area.Current Zoning/Use: The current zone designation for the site is C6-3A commercial with a residential overlay. The area immediately surrounding the site is residential with some small commercial establishments.Past Use of the Site: Historic uses of the site include an automotive repair facility, a copper works, a wagon painting operation, a truck sales and service facility, a paper stock facility, parking garages, manufacturing (unspecified), warehouses, a packaging facility, and office and storage space. The automotive repair facility reportedly had hydraulic lift systems and underground storage tanks, and the motor freight station had gasoline tanks. The site was developed with several multi-level commercial and manufacturing buildings as early as 1894. Automotive repair facilities were identified at the site as early as 1950.Although the exact time is not available, the shoreline was moved westward in the 1800s using imported fill material. According to previous reports, the fill imported to the subject property is of unknown origin and may contain hazardous materials.Site Geology and Hydrogeology: The site is typical of an urban area. The Remedial Investigation Report found that historic fill extended across the site to a depth of approximately 6 to 12 feet below ground surface (bgs). The site is 6 feet above sea level. Beneath the fill layer, is brown and gray sand with some interbedded layers of sandy silt followed by organic silt and clay with trace shell and wood fragments. Groundwater flow has been found to be toward the northeast and may be influenced by pumping action from beneath nearby buildings or underground utilities. The depth to groundwater is approximately 7 feet below ground surface. The Hudson River is located about 300 feet west of the site.
Env Problem: Based upon investigations conducted to date, the primary contaminants of concern include metals, volatile organic compounds (VOCs) and semi-VOCs (SVOCs). No PCBs were detected on site. Historic fill was found at depths ranging from 6 to 12 feet below ground surface (bgs) throughout the site, and two underground petroleum storage tanks (USTs) were also found on-site. The SVOCs and metals noted in site soils and groundwater are likely related to historic fill.Soil PCE was found in shallow soils, typically in the top 2 feet below ground surface (bgs), primarily in the southern portion of the site. PCE was detected in several locations above the unrestricted use soil cleanup objective (UUSCO) of 1.3 parts per million (ppm) with one detection of 47 ppm above the residential and restricted residential use SCO (RSCOs/RRSCO) of 5.5 ppm and 19 ppm, respectively .On-site soil samples exceeded UUSCOs for 13 SVOCs; some also exceeded the RSCOs

LOT 7,TAXBLOCK 223 (Continued) **S108469734**

and RRSCOs. Seven of the more significant findings were: benzo(a)anthracene (up to 140 ppm vs. RSCO/RRSCO of 1 ppm), benzo(a)pyrene (up to 140 ppm vs. RSCO/RRSCO of 1 ppm), benzo(b)fluoranthene (up to 160 ppm vs. RSCO/RRSCO of 1 ppm), benzo(k)fluoranthene (up to 48 ppm vs. RSCO/RRSCO of 1 and 3.9 ppm, respectively), chrysene (up to 140 ppm vs. RSCO/RRSCO of 1 and 3.9 ppm, respectively), dibenzo(a,h)anthracene (up to 0.20 ppm vs RSCO/RRSCO of 0.33 ppm), and indeno(1,2,3-c,d)pyrene (up to 84 ppm vs. RSCO/RRSCO of 0.5 ppm). On-site soil samples exceeded UUSCOs for six metals, with four of the six exceeding the RSCO and/or RRSCO as follows: arsenic (up to 60 ppm vs. RSCO/RRSCO of 16 ppm), copper (up to 1000 ppm vs. RSCO/RRSCO of 270 ppm), lead (up to 880 ppm vs. RSCO/RRSCO of 400 ppm) and mercury (up to 5.4 ppm vs. RSCO/RRSCO of 0.81 ppm). Site-related soil contamination is not expect to extend off-site base on the available data.Groundwater - Groundwater samples were collected from seven monitoring wells. Groundwater samples showed no detectable levels of VOCs, pesticides or PCBs. Five SVOCs were detected above the groundwater standard of 0.002 parts per billion (ppb) for each compound as follows:: benzo(a)anthracene at 0.11 ppb, benzo(a)pyrene at 0.16 ppb, benzo(b)fluoranthene at 0.18 ppb, benzo(k)fluoranthene at 0.08 ppb, and chrysene (0.13 ppb standard 0.002 ppb). These compounds were detected in one well located in the vicinity of the elevated SVOCs in soils. No site-related metals were detected over groundwater standards. The marginally contaminated groundwater is not migrating off-site.Soil Vapor PCE was detected in soil vapor in shallow soils (top 2 feet bgs), with concentrations up to 2,690 micrograms per cubic meter (ug/m3).

Health Problem: Since the site is fenced and covered by asphalt or concrete, people are not expected to come into contact with site-related soil or groundwater contamination unless they dig below the surface. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the soil may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The site is currently vacant so soil vapor intrusion is not a current concern. Sampling indicates that soil vapor intrusion is not a concern for off-site properties.

ENV RES DECL:

Borough:	MN
Tax Block:	223
Tax Lot:	7
Reference Number:	R-76
Date Recorded:	5/4/2006
Satisfaction Date:	Not reported
CEQR Number:	06DCP067M
Application Number:	040543 ZMM
Recording Reference Number:	2006000247471 ,2006000247472
Type:	Hazmat
Lot Remediation Date:	Not reported

LOT 7,TAXBLOCK 223 (Continued) **S108469734**

E DESIGNATION:

Tax Lot(s):	7
Tax Block:	223
Borough Code:	MN
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

A10 **LOT 12,TAXBLOCK 223** **NY Spills** **S108469724**
SE **33 DESBROSSES STREET** **NY RES DECL** **N/A**
< 1/8 **MANHATTAN, NY 10013** **NY E DESIGNATION**
0.002 mi.
10 ft. **Site 10 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

SPILLS:

Facility ID:	1309614
Facility Type:	ER
DER Facility ID:	445476
Site ID:	490422
DEC Region:	2
Spill Date:	1/3/2014
Spill Number/Closed Date:	1309614 / Not Reported
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	1/3/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	1/3/2014
Spill Record Last Update:	4/8/2014
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	BRIAN GOCHENAUR
Contact Phone:	(212) 479-5479
DEC Memo:	01/03/14-Hiralkumar Patel.alternate address: none.no PBS or other spills found.270 West Street, LLC. **property owner**268 West Street, 5th FloorNew York, NY 100131:04 PM:- left message for Brian.01/06/14-Hiralkumar Patel.9:03 AM:- received message from

LOT 12,TAXBLOCK 223 (Continued) **S108469724**

Brian.10:14 AM:- spoke with Brian. Brian mentioned that a Phase II investigation is being conducted prior to site redevelopment. during field work, they noted petroleum contamination via visual/olfactory/PID (300 ppm). samples have been submitted to lab. asked Brian to submit phase I for review. also asked to submit contact info for property owner/developer.Brian GochenaurLangan EngineeringPH. (212) 479-5479email: bgochenaur@langan.com01/07/14-Hiralkumar Patel.10:14 AM:- received email from Brian including Phase I and property developer's contact details.Joe WalshRelated Companies **site developer**Ph. (212) 500-0787abstract of Phase I:- site on block #: 223 / lots #: 3 (264-265 West St, 70-74 Vestry St), 5 (266-267 West St, 62-68 Vestry St), 7 (268-269 West St), 9 (270-271 West St, 37-39 Desbroses St), 11 (35 Desbrosses St) and 12 (33 Desbrosses St)- Hudson River is located approx. 300 ft west of the site- proposed development would include demolition of the existing buidings and the construction of a new twelve-story residential building- site has been assigned a restrictive "E" zoing designation for noise --------- subject property is situated at an elevation of approx. 6 ft- according to previous investigations in the area, depth to bedrock is estimated at around 85 to 100 ft bg and depth to groundwater is approx. 4 ft bg and is presumed to flow west towards the Hudson River- currently, site has four (4) 2-story commercial building and two (2) 5-story commercial buildings- subject property was listed as a historical automobile repair station. 70 Vestry St (lot # 3) for 1991, 2000 and 2001; 266 West St (lot # 5) for 1999, 2007, 2008, 2009 and 2010- Sanborn Map review revealed that the subject property was developed with several multi-level commercial and manufacturing buildings as early as 1894- recognized environmental concerns associated with the histroical use of the site include a copper works, a wagon painting facility, a truck sales and service facility, a motor freight station with a gasoline tank, an unspecified manufacturing facility, and several auto repair facilities- building on lot 3 is identified as 264-265 West St (70-74 Vestry St) is a vacant 2-story building. building has a crawl space approx. 30 ft in length- commercial building on lot # 3 was previously used as an auto repair garage- two hydrulic lifts were identified in the garage on lot 3, along the east and west walls. some staining was observed on the floor surrounding the lifts- lot 5 contains an L-shaped building that has been converted into two separate spaces by addition of a cinderblock wall placed in a north-south orientation- eastern portion of lot 5 is identified as 62-68 Vestry St and currently used as a garage/storage space- several manhole covers were identified in the garage in eastern portion of lot # 5- an underground fuel oil tank or oil/water separator may be located beneath the floor of the garage in eastern portion of lot 5- fuel oil and gasoline fill port were located on the sidewalk of the Vestry Street, directly south of the building on lot 5- western portion of the lot 5 is identified as 266-267 West St and is currently used as an auto repair shop- a 275 gal waste oil AST (PBS #: 2-612070) is located near the entrance on West street, on western portion of lot 5- three hydrulic lifts were identified in the garage along the north and west walls, in western potion of lot 5- chemical storage area, containing mostly lubricants and brake cleaners, is located on the estern wall of the repair shop near a parts cleaning basin, in western portion of lot 5 ---------- manhole was located on the floor in the entranceway of the garage on western portion of lot 5- building on lot 7 identified as 268-269

LOT 12,TAXBLOCK 223 (Continued) **S108469724**

West St is a 5-story building with full basement- building on lot 9 identified as 270-271 West St (37-39 Desbrosses St) is a vacant 5-story building with partial basement- buildings on lot 11 (35 Desbrosses St) and lot 12 (33 Desbrosses St) are vacant 2-story buildings with no basement- on 1950 Sanborn Map, lots 3, 11 and 12 are identified as motor freight stations- 1950 Sanborn Map shows a gasoline tank at 35 Debrosses St (lot # 11) ----------no other spills found for lots 3, 5, 7,9, 11 and 12 involved in this project.PBS #: 2-612070. as per PBS record, site 266 West ST (lot # 5) has one 275 gal waste oil AST, in-service. the tank was installed in June 2007.04/04/14-Hiralkumar Patel.10:40 AM:- received email from Brian including link to Phase II report. Brian also mentioned that they are currently pursuing acceptance into the NYSDEC BCP and application was submitted last week.abstract of Phase II:- proposed development includes the demolition of the existing buildings and the construction of a new 12-story residential building with a basement parking level- during GPR survey, major anomalies which appear indicative of USTs were identified in the northeastern and southeastern corners of lot 5- installed eight soil borings (EB-1 through EB-8)- soil beneath the site was observed to be historical urban fill extended from approx. 6 to 9 ft bg- the fill material predominately consisting of fine to coarse brown silty sand with varied amounts of clay, rock, gravel, brick, cement, metal, glass, wood and coal- fill material is underlain primarily by organic silt with some sand, clay and gravel- boring EB-1 was installed in the crawl sapce of lot 9, to a depth of 11 ft bg- borings EB-2 through EB-8 were completed to a depth of 15 ft bg- petroleum impacts, including odors, staining and PID readings were observed in borings EB-3, EB-6 and EB-7- total of 15 grab samples collected: one sample from EB-1 and EB-8; two samples from EB-2, EB-3, EB-4, EB-6 and EB-7; and three from EB-5 (including one duplicate)- with exception of EB-8, all borings were converted to one inch groundwater monitoring well- depth to groundwater ranged from 6.89 to 8.27 ft bg- total eight groundwate samples were collected, including one duplicate from MW05- groundwater in MW03 and MW07 exhibited a petroleum odors; but no evidence of free product was identified in these wells- no petroleum compounds found in soil or groundwater samples; except one compound n-Propylbenzene at 4.5 ppm (limit: 3.9 ppm) at 7.5-9 ft bg in boring EB-7- PCE contamination found in soil samples from 0-2 ft bg in borings EB-2, EB-5 (duplicate) and EB-8- found high metal concentrations in soil and groundwater samples04/08/14-Hiralkumar Patel. discussed with DEC DeMeo. based on findings of PCE and metals and as a NYSBCP application has been submitted, DeMeo asked to send p-site memo to DEC Jane and assign case to her.

Remarks: Clean up pending

Material:

Site ID:	490422
Operable Unit ID:	1239983
Operable Unit:	01
Material ID:	2240072
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported

LOT 12,TAXBLOCK 223 (Continued) **S108469724**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

ENV RES DECL:
Borough: MN
Tax Block: 223
Tax Lot: 12

Reference Number: R-76
Date Recorded: 5/4/2006
Satisfaction Date: Not reported
CEQR Number: 06DCP067M
Application Number: 040543 ZMM
Recording Reference Number: 2006000247471 ,2006000247472
Type: Hazmat
Lot Remediation Date: Not reported

E DESIGNATION:
Tax Lot(s): 12
Tax Block: 223
Borough Code: MN
E-No: E-162
Effective Date: 9/13/2006
Satisfaction Date: Not reported
Ceqr Number: 06DCP067M
Ulurp Number: 040543ZMM
Zoning Map No: 12a

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

A11 **LOT 5,TAXBLOCK 223** **NY E DESIGNATION** **S108469733**
SE **266 WEST STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.002 mi.
10 ft. **Site 11 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:
Tax Lot(s): 5
Tax Block: 223
Borough Code: Not reported
E-No: E-162
Effective Date: 9/13/2006
Satisfaction Date: Not reported
Ceqr Number: 06DCP067M
Ulurp Number: 040543ZMM
Zoning Map No: 12a

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

A12
SE
< 1/8
0.002 mi.
10 ft.

LOT 11,TAXBLOCK 223
35 DESBROSSES STREET
MANHATTAN, NY 10013

Site 12 of 41 in cluster A

NY E DESIGNATION **S108469723**
NY RES DECL **N/A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	11
Tax Block:	223
Borough Code:	MN
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

ENV RES DECL:

Borough:	MN
Tax Block:	223
Tax Lot:	11
Reference Number:	R-76
Date Recorded:	5/4/2006
Satisfaction Date:	Not reported
CEQR Number:	06DCP067M
Application Number:	040543 ZMM
Recording Reference Number:	2006000247471 ,2006000247472
Type:	Hazmat
Lot Remediation Date:	Not reported

A13
SE
< 1/8
0.002 mi.
10 ft.

LOT 20,TAXBLOCK 223
426 WASHINGTON STREET
MANHATTAN, NY 10013

Site 13 of 41 in cluster A

NY E DESIGNATION **S108469730**
NY RES DECL **N/A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	20
Tax Block:	223
Borough Code:	MN
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

ENV RES DECL:

Borough:	MN
Tax Block:	223
Tax Lot:	20

LOT 20,TAXBLOCK 223 (Continued) **S108469730**

Reference Number:	R-76
Date Recorded:	5/4/2006
Satisfaction Date:	Not reported
CEQR Number:	06DCP067M
Application Number:	040543 ZMM
Recording Reference Number:	2006000247471 ,2006000247472
Type:	Hazmat
Lot Remediation Date:	Not reported

A14 **LOT 3,TAXBLOCK 223** **NY E DESIGNATION** **S108469731**
SE **264 WEST STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.002 mi.
10 ft. **Site 14 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	3
Tax Block:	223
Borough Code:	Not reported
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

A15 **LOT 26,TAXBLOCK 223** **NY E DESIGNATION** **S110670211**
East **437 WASHINGTON STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.003 mi.
15 ft. **Site 15 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	26
Tax Block:	223
Borough Code:	MN
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A16 **LOT 21,TAXBLOCK 224** **NY E DESIGNATION** **S110670190**
ENE **445 WASHINGTON STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.003 mi.
17 ft. **Site 16 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	21
Tax Block:	224
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A17 **LOT 23,TAXBLOCK 223** **NY E DESIGNATION** **S110670200**
SE **431 WASHINGTON STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.003 mi.
17 ft. **Site 17 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	23
Tax Block:	223
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A18 **CON EDISON SERVICE BOX: 49046** **RCRA-CESQG** **1016149862**
SSE **429 WASHINGTON ST** **FINDS** **NYP004285284**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.006 mi.
33 ft. **Site 18 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	01/25/2013
Facility name:	CON EDISON SERVICE BOX: 49046
Facility address:	429 WASHINGTON ST NEW YORK, NY 10013
EPA ID:	NYP004285284
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported

CON EDISON SERVICE BOX: 49046 (Continued) **1016149862**

Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055467711

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004285284
Country: USA
Location Address 1: 429 WASHINGTON ST
Location Address 2: SERV BOX 49046
Location City: NEW YORK

CON EDISON SERVICE BOX: 49046 (Continued) **1016149862**

Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/24/2013
Trans1 Recv Date: 01/24/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/29/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004285284
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010456779JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

A19 **TRIBECA TOWER INC** **NY AST** **U003383955**
SSE **427 WASHINGTON STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.011 mi.
58 ft. **Site 19 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-070319
Program Type:	PBS
UTM X:	583644.23507000005
UTM Y:	4508806.0434699999
Expiration Date:	01/14/2017
Site Type:	Private Residence

Affiliation Records:

Site Id:	1550
Affiliation Type:	Facility Owner
Company Name:	TRIBECA TOWER INC
Contact Type:	PROPERTY MANAGER
Contact Name:	PETER SAMPSON
Address1:	427 29 WASHINGTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	4/19/2012

Site Id:	1550
Affiliation Type:	Mail Contact
Company Name:	ANDREWS BUILDING INC
Contact Type:	Not reported
Contact Name:	PETER SAMPSON
Address1:	666 BROADWAY 12TH FL
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10012
Country Code:	001
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	4/19/2012

Site Id:	1550
Affiliation Type:	On-Site Operator
Company Name:	TRIBECA TOWER INC
Contact Type:	Not reported
Contact Name:	ANDREWS BLDG CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported

TRIBECA TOWER INC (Continued) **U003383955**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	4/19/2012

Site Id:	1550
Affiliation Type:	Emergency Contact
Company Name:	TRIBECA TOWER INC
Contact Type:	Not reported
Contact Name:	PETER SAMPSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	BVCAMPBE
Date Last Modified:	4/19/2012

Tank Info:

Tank Number:	001
Tank Id:	2625
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
D00 - Pipe Type - No Piping
A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1960
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

TRIBECA TOWER INC (Continued) **U003383955**

Register:	True
Modified By:	BVCAMPBE
Last Modified:	04/19/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-070319
SWIS Code:	6201
Operator:	TRIBECA TOWER INC
Facility Phone:	(212) 925-0296
Facility Addr2:	427 WASHINGTON STREET
Facility Type:	PRIVATE RESIDENCE
Emergency:	TRIBECA TOWER INC
Emergency Tel:	(212) 925-0296
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	TRIBECA TOWER INC
Owner Address:	427 29 WASHINGTON STREET
Owner City,St,Zip:	NEW YORK, NY 10013
Federal ID:	Not reported
Owner Tel:	(212) 925-0296
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	TRIBECA TOWER INC
Mailing Address:	427 29 WASHINGTON STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Telephone:	(212) 925-0296
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/16/2001
Expiration:	01/14/2007
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	3000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	3000

TRIBECA TOWER INC (Continued) **U003383955**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	9
Pipe Location:	Aboveground
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

A20 **EDR US Hist Auto Stat** **1015604383**
South **70 VESTRY ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.012 mi.
61 ft. **Site 20 of 41 in cluster A**

Relative:
Higher

Actual:
7 ft.

EDR Historical Auto Stations:

Name:	TRIBECA AUTO REPAIR
Year:	1999
Address:	70 VESTRY ST
Name:	TRIBECA AUTO REPAIR
Year:	2000
Address:	70 VESTRY ST
Name:	TRIBECA AUTO REPAIR
Year:	2001
Address:	70 VESTRY ST

A21 **CON EDISON SERVICE BOX: 49045** **RCRA-CESQG** **1016149863**
SSE **VESTRY ST & WASHINGTON ST NE** **NY MANIFEST** **NYP004285292**
< 1/8 **NEW YORK, NY 10013**
0.012 mi.
64 ft. **Site 21 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	01/25/2013
Facility name:	CON EDISON SERVICE BOX: 49045
Facility address:	VESTRY ST & WASHINGTON ST NE COR NEW YORK, NY 10013
EPA ID:	NYP004285292
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003

CON EDISON SERVICE BOX: 49045 (Continued) **1016149863**

Contact:	JUAN RODRIGUEZ
Contact address:	Not reported
	Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004285292
Country:	USA
Location Address 1:	NEC VESTRY & WASHINGTON ST
Location Address 2:	SERV BOX 49045
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA

CON EDISON SERVICE BOX: 49045 (Continued) **1016149863**

Phone: 212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2013
Trans1 Recv Date:	01/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285292
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010456778JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

A22 **CON EDISON SERVICE BOX: 49037** **RCRA-CESQG** **1016149194**
SSE **VESTRY ST & WASHINGTON ST SW** **NY MANIFEST** **NYP004278552**
< 1/8 **NEW YORK, NY 10013**
0.012 mi.
64 ft. **Site 22 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	11/18/2012
Facility name:	CON EDISON SERVICE BOX: 49037
Facility address:	VESTRY ST & WASHINGTON ST SW COR NEW YORK, NY 10013
EPA ID:	NYP004278552
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported

CON EDISON SERVICE BOX: 49037 (Continued) **1016149194**

Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004278552
Country: USA
Location Address 1: SW COR VESHY ST & WASHINGTON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

CON EDISON SERVICE BOX: 49037 (Continued) **1016149194**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	11/18/2012
Trans1 Recv Date:	11/18/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/21/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004278552
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010456772JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

A23 **CON EDISON SERVICE BOX: 49045** **RCRA-CESQG** **1016149073**
SSE **WASHINGTON ST & VESTRY ST NE** **NY MANIFEST** **NYP004277307**
< 1/8 **NEW YORK, NY 10038**
0.012 mi.
64 ft. **Site 23 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	11/08/2012
Facility name:	CON EDISON SERVICE BOX: 49045
Facility address:	WASHINGTON ST & VESTRY ST NE COR NEW YORK, NY 10038
EPA ID:	NYP004277307
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931

CON EDISON SERVICE BOX: 49045 (Continued) **1016149073**

Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004277307
Country: USA
Location Address 1: NE COR WASHINGTON ST & VESTRY
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10038
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

NY MANIFEST:
No Manifest Records Available

A24 **CON EDISON SERVICE BOX: 49041** **RCRA-CESQG** **1016149851**
SSE **VESTRY ST & WASHINGTON ST SE** **NY MANIFEST** **NYP004285177**
< 1/8 **NEW YORK, NY 10013**
0.012 mi.
64 ft. **Site 24 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	01/24/2013
Facility name:	CON EDISON SERVICE BOX: 49041
Facility address:	VESTRY ST & WASHINGTON ST SE COR NEW YORK, NY 10013
EPA ID:	NYP004285177
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JOSE MONTALVO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 427-1331
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004285177

CON EDISON SERVICE BOX: 49041 (Continued) **1016149851**

Country:	USA
Location Address 1:	SE WASHINGTONST & VESTRY ST
Location Address 2:	SERV BOX 49041
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2013
Trans1 Recv Date:	01/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/25/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285177
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	400
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010846367JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193

CON EDISON SERVICE BOX: 49041 (Continued) **1016149851**

Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2013
Trans1 Recv Date:	01/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/25/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285177
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707093JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

A25 **LOT 36,TAXBLOCK 224** **NY E DESIGNATION** **S110670289**
NE **DESBROSSES STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.013 mi.
67 ft. **Site 25 of 41 in cluster A**

Relative:
Higher

Actual:
9 ft.

E DESIGNATION:

Tax Lot(s):	36
Tax Block:	224
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

A26
SSE
< 1/8
0.013 mi.
68 ft.

CON EDISON SERVICE BOX: 47508
61 VESTRY ST FRONT OF
NEW YORK, NY 10013

Site 26 of 41 in cluster A

RCRA-CESQG 1016149872
FINDS NYP004285383
NY MANIFEST

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	01/25/2013
Facility name:	CON EDISON SERVICE BOX: 47508
Facility address:	61 VESTRY ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004285383
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055423894

CON EDISON SERVICE BOX: 47508 (Continued) **1016149872**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004285383
Country:	USA
Location Address 1:	61 VESTRY ST
Location Address 2:	SERV BOX 47508
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/25/2013
Trans1 Recv Date:	01/25/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285383
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	200
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010846371JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

CON EDISON SERVICE BOX: 47508 (Continued) **1016149872**

Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

A27 **CON EDISON SERVICE BOX: 47509** **RCRA-CESQG** **1016149877**
SSE **63 VESTRY ST** **NYP004285433**
< 1/8 **NEW YORK, NY 10013**
0.013 mi.
68 ft. **Site 27 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:
Date form received by agency: 01/26/2013
Facility name: CON EDISON SERVICE BOX: 47509
Facility address: 63 VESTRY ST
NEW YORK, NY 10013
EPA ID: NYP004285433
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

CON EDISON SERVICE BOX: 47509 (Continued) **1016149877**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

A28 **CON EDISON** **NY MANIFEST** **S113494851**
SSE **63 VESTRY ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.013 mi.
68 ft. **Site 28 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

NY MANIFEST:
EPA ID: NYP004285441
Country: USA
Location Address 1: 63 VESTRY ST
Location Address 2: SERV BOX 47509
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/25/2013
Trans1 Recv Date: 01/25/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/28/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004285441
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010707054JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N

CON EDISON (Continued) **S113494851**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

A29 **67 VESTRY ST** **NY AST** **A100292655**
South **67 VESTRY STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.013 mi.
69 ft. **Site 29 of 41 in cluster A**

Relative:
Higher

Actual:
7 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-212237
Program Type:	PBS
UTM X:	583562.61312999995
UTM Y:	4508471.4014100004
Expiration Date:	11/29/2015
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	7775
Affiliation Type:	Mail Contact
Company Name:	67 VESTRY LLC % CLASSIC REALTY LLC
Contact Type:	Not reported
Contact Name:	STANLEY LEIBOWITZ
Address1:	757 THIRD AVENUE
Address2:	5TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 223-1700
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/20/2012

Site Id:	7775
Affiliation Type:	On-Site Operator
Company Name:	67 VESTRY ST
Contact Type:	Not reported
Contact Name:	ANGEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 303-8136
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR

67 VESTRY ST (Continued) **A100292655**

Date Last Modified: 10/5/2012

Site Id: 7775
Affiliation Type: Emergency Contact
Company Name: 67 VESTRY LLC % CLASSIC REALTY LLC
Contact Type: Not reported
Contact Name: ANGEL
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (646) 303-8136
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 10/5/2012

Site Id: 7775
Affiliation Type: Facility Owner
Company Name: 67 VESTRY LLC % CLASSIC REALTY LLC
Contact Type: Not reported
Contact Name: Not reported
Address1: 757 THIRD AVE, 5TH FL
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10017
Country Code: 001
Phone: (212) 223-1700
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 10/5/2012

Tank Info:

Tank Number: 001
Tank Id: 14148
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

67 VESTRY ST (Continued) **A100292655**

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	03/10/2005
Register:	True
Modified By:	KXTANG
Last Modified:	11/29/2005
Material Name:	#6 Fuel Oil (On-Site Consumption)

Tank Number:	002
Tank Id:	209088
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/16/2005
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	10/05/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

A30
South
< 1/8
0.013 mi.
69 ft.

63 VESTRY STREET
67 VESTRY STREET
MANHATTAN, NY

Site 30 of 41 in cluster A

NY LTANKS **S106737540**
N/A

Relative:
Higher

Actual:
7 ft.

LTANKS:

Site ID:	335075
Spill Number/Closed Date:	0410085 / 3/16/2005
Spill Date:	12/10/2004
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	12/10/2004
CID:	409
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/13/2004
Spill Record Last Update:	3/16/2005
Spiller Name:	NICKY RICKETTS
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	NICKY RICKETTS
Spiller Phone:	(914) 777-1930
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	270296
DEC Memo:	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 place3/3/05 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 aaction, letter sent.....MT
Remarks:	CREWS ARE ON THE WAY TO CLEAN UP.

63 VESTRY STREET (Continued) **S106737540**

Material:
Site ID: 335075
Operable Unit ID: 1097183
Operable Unit: 01
Material ID: 577138
Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 100
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

A31 **EDR US Hist Auto Stat** **1015500202**
NE **446 WASHINGTON ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.015 mi.
81 ft. **Site 31 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

EDR Historical Auto Stations:
Name: MANHATAN AUTOMOTIVE
Year: 2011
Address: 446 WASHINGTON ST

Name: MANHATAN AUTOMOTIVE
Year: 2012
Address: 446 WASHINGTON ST

A32 **CON EDISON SERVICE BOX: 49050** **RCRA-CESQG** **1016149825**
NNE **442 442 WASHINGTON ST** **FINDS** **NYP004284915**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.017 mi.
88 ft. **Site 32 of 41 in cluster A**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:
Date form received by agency: 01/23/2013
Facility name: CON EDISON SERVICE BOX: 49050
Facility address: 442 442 WASHINGTON ST
NEW YORK, NY 10013
EPA ID: NYP004284915
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator

CON EDISON SERVICE BOX: 49050 (Continued) **1016149825**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055436853

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284915
Country:	USA
Location Address 1:	442 WASHINGTON ST
Location Address 2:	SERV BOX 49050
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

CON EDISON SERVICE BOX: 49050 (Continued) **1016149825**

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/23/2013
Trans1 Recv Date:	01/23/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284915
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408545JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

A33 **LOT 23,TAXBLOCK 224** **NY E DESIGNATION** **S110670201**
NNE **449 WASHINGTON STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.020 mi.
108 ft. **Site 33 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	23
Tax Block:	224
Borough Code:	MN
E-No:	E-257
Effective Date:	10/13/2010

LOT 23,TAXBLOCK 224 (Continued) **S110670201**

Satisfaction Date: Not reported
Ceqr Number: 10DCP039M
Ulurp Number: 100369ZMM
Zoning Map No: 12a

Description: Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

A34 **CON EDISON SERVICE BOX: 49052** **RCRA-CESQG** **1016149827**
NNE **449 WASHINGTON ST OPPOSITE** **FINDS** **NYP004284931**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.023 mi.
120 ft. **Site 34 of 41 in cluster A**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:
Date form received by agency: 01/23/2013
Facility name: CON EDISON SERVICE BOX: 49052
Facility address: 449 WASHINGTON ST OPPOSITE
NEW YORK, NY 10013
EPA ID: NYP004284931
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

CON EDISON SERVICE BOX: 49052 (Continued) **1016149827**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055436862

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004284931
Country: USA
Location Address 1: OPP 447 WASHINGTON ST
Location Address 2: SERV BOX 49052
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/23/2013
Trans1 Recv Date: 01/23/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/24/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004284931
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046

CON EDISON SERVICE BOX: 49052 (Continued) **1016149827**

Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408547JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

A35 **EDR US Hist Auto Stat** **1015376331**
WSW **266 WEST ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.023 mi.
121 ft. **Site 35 of 41 in cluster A**

Relative:
Lower

Actual:
3 ft.

EDR Historical Auto Stations:

Name:	BEST 2 STORIES AUTO REPAIR INCORPORATED
Year:	1999
Address:	266 WEST ST
Name:	CHANDER AUTO REPAIR
Year:	2007
Address:	266 WEST ST
Name:	CHANDER AUTO REPAIR
Year:	2008
Address:	266 WEST ST
Name:	CHANDER AUTO REPAIR
Year:	2009
Address:	266 WEST ST
Name:	CHANDER AUTO REPAIR
Year:	2010
Address:	266 WEST ST

A36 **CHANDER AUTO REPAIR, INC.** **NY AST** **A100380446**
WSW **266 WEST STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.023 mi.
121 ft. **Site 36 of 41 in cluster A**

Relative:
Lower

Actual:
3 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-612070
Program Type:	PBS
UTM X:	583494.06114000001
UTM Y:	4508496.4570599999
Expiration Date:	06/25/2017
Site Type:	Auto Service/Repair (No Gasoline Sales)

Affiliation Records:

Site Id:	485239
Affiliation Type:	Facility Owner
Company Name:	DERICK VASCONCELLOS
Contact Type:	VICE PRESIDENT
Contact Name:	DERICK VASCONCELLOS
Address1:	109 DIX HIGHWAY
Address2:	Not reported
City:	DIX HILLS
State:	NY
Zip Code:	11746
Country Code:	001
Phone:	(347) 682-7429
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/30/2013

Site Id:	485239
Affiliation Type:	Mail Contact
Company Name:	Not reported
Contact Type:	Not reported
Contact Name:	DERICK VASCONCELLOS
Address1:	266 WEST STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(347) 682-7429
EMail:	CHANDERAUTO@YAHOO.COM
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/30/2013

Site Id:	485239
Affiliation Type:	On-Site Operator
Company Name:	CHANDER AUTO REPAIR, INC.
Contact Type:	Not reported
Contact Name:	DERICK VASCONCELLOS
Address1:	Not reported
Address2:	Not reported
City:	Not reported

CHANDER AUTO REPAIR, INC. (Continued) **A100380446**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 682-7429
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/30/2013

Site Id:	485239
Affiliation Type:	Emergency Contact
Company Name:	DERICK VASCONCELLOS
Contact Type:	Not reported
Contact Name:	DERICK VASCONCELLOS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(631) 667-1202
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	7/30/2013

Tank Info:

Tank Number:	1
Tank Id:	249199

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
G06 - Tank Secondary Containment - Remote Impounding Area
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/25/2007
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DMMOLOUG
Last Modified:	07/30/2013

CHANDER AUTO REPAIR, INC. (Continued) **A100380446**

Material Name: Waste Oil/Used Oil

A37
WNW
< 1/8
0.024 mi.
125 ft.

LOT 9,TAXBLOCK 223
270 WEST STREET
MANHATTAN, NY 10013

NY E DESIGNATION **S108469737**
NY RES DECL **N/A**

Site 37 of 41 in cluster A

Relative:
Lower

Actual:
3 ft.

E DESIGNATION:

Tax Lot(s):	9
Tax Block:	223
Borough Code:	MN
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

ENV RES DECL:

Borough:	MN
Tax Block:	223
Tax Lot:	9
Reference Number:	R-76
Date Recorded:	5/4/2006
Satisfaction Date:	Not reported
CEQR Number:	06DCP067M
Application Number:	040543 ZMM
Recording Reference Number:	2006000247471 ,2006000247472
Type:	Hazmat
Lot Remediation Date:	Not reported

A38
NW
< 1/8
0.027 mi.
145 ft.

275 WEST STREET
275 WEST STREET
NEW YORK, NY 10013

NY AST **U004045335**
N/A

Site 38 of 41 in cluster A

Relative:
Lower

Actual:
3 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-600628
Program Type:	PBS
UTM X:	583469.08828999999
UTM Y:	4508375.5380999995
Expiration Date:	01/22/1997
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	22608

275 WEST STREET (Continued) **U004045335**

Affiliation Type:	Facility Owner
Company Name:	PONTE EQUITIES INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	511 CANAL STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 966-5420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22608
Affiliation Type:	Mail Contact
Company Name:	511 CANAL STREET
Contact Type:	Not reported
Contact Name:	JAMES P SMITH
Address1:	Not reported
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 966-5420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22608
Affiliation Type:	On-Site Operator
Company Name:	275 WEST STREET
Contact Type:	Not reported
Contact Name:	JAMES SMITH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-5420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22608
Affiliation Type:	Emergency Contact
Company Name:	PONTE EQUITIES INC
Contact Type:	Not reported
Contact Name:	JAMES SMITH
Address1:	Not reported
Address2:	Not reported

275 WEST STREET (Continued) **U004045335**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-5420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	43138
Material Code:	0009
Common Name of Substance:	Gasoline

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None
G99 - Tank Secondary Containment - Other
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	4000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/1992
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Gasoline

A39 **FEDERAL ARMORED EXPRESS** **RCRA NonGen / NLR** **1000693807**
NW **275 WEST ST** **FINDS** **NYD986999274**
< 1/8 **NEW YORK, NY 10013**
0.027 mi.
145 ft. **Site 39 of 41 in cluster A**

Relative:
Lower

Actual:
3 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FEDERAL ARMORED EXPRESS
Facility address:	275 WEST ST NEW YORK, NY 100131732
EPA ID:	NYD986999274
Mailing address:	WEST ST NEW YORK, NY 10013
Contact:	Not reported

FEDERAL ARMORED EXPRESS (Continued) **1000693807**

Contact address: WEST ST
NEW YORK, NY 10013
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JAMES L DUNBAR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JAMES L DUNBAR
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FEDERAL ARMORED EXPRESS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: FEDERAL ARMORED EXPRESS
Classification: Not a generator, verified

FEDERAL ARMORED EXPRESS (Continued) **1000693807**

Date form received by agency: 04/15/1992
Site name: FEDERAL ARMORED EXPRESS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: X001
. Waste name: WASTE OILS

Violation Status: No violations found

FINDS:

Registry ID: 110004488787

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A40 **EDR US Hist Auto Stat** **1015496894**
ESE **440 GREENWICH ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.029 mi.
153 ft. **Site 40 of 41 in cluster A**

Relative:
Higher

Actual:
10 ft.

EDR Historical Auto Stations:
Name: PRIMO AUTO REPAIRS LIMITED
Year: 2008
Address: 440 GREENWICH ST

Name: PRIMO AUTO REPAIRS LTD
Year: 2009
Address: 440 GREENWICH ST

Name: PRIMA AUTO REPAIRS LTD
Year: 2010
Address: 440 GREENWICH ST

Name: PRIMA AUTO REPAIRS LTD
Year: 2011
Address: 440 GREENWICH ST

Name: PRIMA AUTO REPAIRS LTD
Year: 2012
Address: 440 GREENWICH ST

A41
NNE
< 1/8
0.030 mi.
157 ft.

LOT 1,TAXBLOCK 224
450 WASHINGTON STREET
MANHATTAN, NY

Site 41 of 41 in cluster A

NY E DESIGNATION | **S117675750** | **N/A**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	1
Tax Block:	224
Borough Code:	Not reported
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

B42
SE
< 1/8
0.031 mi.
165 ft.

CON EDISON SERVICE BOX: 47510
52 VESTRY ST FRONT OF
NEW YORK, NY 10013

Site 1 of 21 in cluster B

RCRA-CESQG | **1016149873**
FINDS | **NYP004285391**
NY MANIFEST

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	01/25/2013
Facility name:	CON EDISON SERVICE BOX: 47510
Facility address:	52 VESTRY ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004285391
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No

CON EDISON SERVICE BOX: 47510 (Continued) **1016149873**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055467775

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004285391
Country: USA
Location Address 1: 52 VESTRY ST
Location Address 2: SERV BOX 47510
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/25/2013
Trans1 Recv Date: 01/25/2013
Trans2 Recv Date: Not reported

CON EDISON SERVICE BOX: 47510 (Continued) **1016149873**

TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285391
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	300
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707287JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

C43 **LAIGHT ST / WEST ST** **NY Spills** **S102663241**
SW **IN STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.032 mi.
169 ft. **Site 1 of 5 in cluster C**

Relative:
Lower

Actual:
3 ft.

SPILLS:

Facility ID:	9703963
Facility Type:	ER
DER Facility ID:	144462
Site ID:	171655
DEC Region:	2
Spill Date:	7/2/1997
Spill Number/Closed Date:	9703963 / 11/7/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	CAENGELH
Referred To:	Not reported
Reported to Dept:	7/2/1997
CID:	233
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

LAIGHT ST / WEST ST (Continued) **S102663241**

Remediation Phase:	0
Date Entered In Computer:	7/2/1997
Spill Record Last Update:	11/12/2003
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ENGELHARDT"E2MIS 1088817/2/97MGO construction mech Zambiasi reports while testing an abandoned 6" CI main for an ongoing Construction Management job had 6 ozs of main water leak from main onto soil in excavation. The spill was contained and did not enter any sewers, subsurface structures or water ways. The pilot hole in the main wasplugged, the leak secured with a strap straddle. The soil was double bagged and removed in 6 mil plastic bags in a 27 gal drum.All solid waste was bagged and removed. A sample was taken of the water in a jar, to be sent to the chem lab in the a.m. for testing. The drum and waste was taken to 271 ave c (e16 st yard) and placed in Hazardous waste area, pending lab results for proper disposal. CIG romero was notified.entered by 77472Logger Chris McCallion (86578) 21-MAY-2003 14:10 - Reviewed incident. Performed historical ChemLab search for lab results from this incident. Found ResultsLSN# 97-08149 analyzed for Benzene. Results came back <0.5 ppm for Benzene. Liquid was non-haz, therefore soil removed was non-haz. Soil was disposed of accordingly. Changed Opn Status to "-CLODE" for closure by NYSDEC. Removed Resolved date/time.
Remarks:	DIP WATER 6 IN CASE IRON MAIN CLEAN UP IS UNDERWAY

Material:

Site ID:	171655
Operable Unit ID:	1049854
Operable Unit:	01
Material ID:	333233
Material Code:	0060A
Material Name:	WASTEWATER
Case No.:	Not reported
Material FA:	Other
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B44 **PARKING LOT** **NY Spills** **S107788239**
SSE **415 WASHINGTON ST/LEIGHT** **N/A**
< 1/8 **MANHATTAN, NY**
0.032 mi.
171 ft. **Site 2 of 21 in cluster B**

Relative:
Higher

Actual:
9 ft.

SPILLS:

Facility ID:	0601769
Facility Type:	ER
DER Facility ID:	314290
Site ID:	364079
DEC Region:	2
Spill Date:	5/17/2006
Spill Number/Closed Date:	0601769 / 5/19/2006
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	3101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	5/17/2006
CID:	409
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/17/2006
Spill Record Last Update:	5/19/2006
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN
Spiller Address:	UNKNOWN
Spiller City,St,Zip:	UNKNOWN, NY
Spiller Company:	999
Contact Name:	KAROLE DESARM
Contact Phone:	(212) 925-0199
DEC Memo:	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 repsonse 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 posession 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

PARKING LOT (Continued) **S107788239**

visit by Vought. Parking lift evelators 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.

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.

Material:

Site ID:	364079
Operable Unit ID:	1122128
Operable Unit:	01
Material ID:	2111610
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

B45 **ABANDONED GAS STATION** **NY Spills** **S108058615**
SSE **415 WASHINGTON ST/LEIGHT** **N/A**
< 1/8 **NEW YORK, NY**
0.032 mi.
171 ft. **Site 3 of 21 in cluster B**

Relative:
Higher

Actual:
9 ft.

SPILLS:

Facility ID:	0604319
Facility Type:	ER
DER Facility ID:	317278
Site ID:	367270
DEC Region:	2
Spill Date:	7/18/2006
Spill Number/Closed Date:	0604319 / 7/19/2006
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	7/18/2006
CID:	410
Water Affected:	Not reported

ABANDONED GAS STATION (Continued) **S108058615**

Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/18/2006
Spill Record Last Update:	7/19/2006
Spiller Name:	MARK STERN
Spiller Company:	ABANDONED GAS STATION
Spiller Address:	415 WASHINGTON ST/LEIGHT
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	MARK STERN
Contact Phone:	(917) 543-3449
DEC Memo:	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.
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

Material:

Site ID:	367270
Operable Unit ID:	1125187
Operable Unit:	01
Material ID:	2114709
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

C46 **259 WEST STREET** **NY LTANKS** **S105996750**
SW **259 WEST STREET** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.041 mi.
216 ft. **Site 2 of 5 in cluster C**

Relative:
Lower

Actual:
3 ft.

LTANKS:

Site ID:	161173
Spill Number/Closed Date:	0206148 / 1/27/2005
Spill Date:	9/12/2002
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial

259 WEST STREET (Continued) **S105996750**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	CESAWYER
Referred To:	Not reported
Reported to Dept:	9/13/2002
CID:	282
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	9/13/2002
Spill Record Last Update:	1/27/2005
Spiller Name:	SAME
Spiller Company:	UNKNOWN FOR NOW
Spiller Address:	SAME
Spiller City,St,Zip:	N/A, ZZ
Spiller County:	001
Spiller Contact:	JAMES ROMEO
Spiller Phone:	(201) 714-9858
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	136077
DEC Memo:	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

259 WEST STREET (Continued) **S105996750**

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 sidewalll 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 Envornmental 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.

Remarks: THEY WERE DIGGING DOING GEO PROBE SAMPLING AT THE SITE.THE PROPERTYWAS UP FOR SALE AND HAS BEEN BROUGHT BY A COMPANY CALLED W SQUAREDLLC 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

Material:

Site ID:	161173
Operable Unit ID:	858646
Operable Unit:	01
Material ID:	516758
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0

259 WEST STREET (Continued) **S105996750**

Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

B47 **CON EDISON SERVICE BOX: 49036** **RCRA-CESQG** **1016149196**
South **416 WASHINGTON ST** **FINDS** **NYP004278578**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.042 mi.
222 ft. **Site 4 of 21 in cluster B**

Relative:
Higher

Actual:
9 ft.

RCRA-CESQG:
Date form received by agency: 11/18/2012
Facility name: CON EDISON SERVICE BOX: 49036
Facility address: 416 WASHINGTON ST
NEW YORK, NY 10013
EPA ID: NYP004278578
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

CON EDISON SERVICE BOX: 49036 (Continued) **1016149196**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055436764

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004278578
Country: USA
Location Address 1: 416 WASHINGTON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 11/18/2012
Trans1 Recv Date: 11/18/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/21/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004278578
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500.0
Units: P - Pounds

CON EDISON SERVICE BOX: 49036 (Continued) **1016149196**

Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010456774JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

D48 **147 WATT STREET** **NY Spills** **S102238635**
NNE **147 WATT STREET** **N/A**
< 1/8 **NEW YORK, NY**
0.042 mi.
224 ft. **Site 1 of 13 in cluster D**

Relative:
Higher

Actual:
8 ft.

SPILLS:

Facility ID:	9512309
Facility Type:	ER
DER Facility ID:	125728
Site ID:	147684
DEC Region:	2
Spill Date:	1/2/1996
Spill Number/Closed Date:	9512309 / 1/2/1996
Spill Cause:	Abandoned Drums
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	1/2/1996
CID:	204
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/2/1996
Spill Record Last Update:	2/1/1996
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	AL BLIDGEN
Contact Phone:	(917) 360-6832

147 WATT STREET (Continued) **S102238635**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"REFERRED TO HAZMAT
Remarks: abandoned drum on sidewalk - blocking a driveway

Material:
Site ID: 147684
Operable Unit ID: 1023266
Operable Unit: 01
Material ID: 356061
Material Code: 0063A
Material Name: UNKNOWN HAZARDOUS MATERIAL
Case No.: Not reported
Material FA: Hazardous Material
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

B49 **LOT 33,TAXBLOCK 224** **NY E DESIGNATION** **S110670270**
East **24 DESBROSSES STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.043 mi.
226 ft. **Site 5 of 21 in cluster B**

Relative: Higher
Actual: 10 ft.

E DESIGNATION:
Tax Lot(s): 33
Tax Block: 224
Borough Code: Not reported
E-No: E-257
Effective Date: 10/13/2010
Satisfaction Date: Not reported
Ceqr Number: 10DCP039M
Ulurp Number: 100369ZMM
Zoning Map No: 12a

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

B50 **LOT 33,TAXBLOCK 223** **NY E DESIGNATION** **S110670269**
ESE **442 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.043 mi.
226 ft. **Site 6 of 21 in cluster B**

Relative: Higher
Actual: 10 ft.

E DESIGNATION:
Tax Lot(s): 33
Tax Block: 223
Borough Code: MN
E-No: E-257
Effective Date: 10/13/2010
Satisfaction Date: Not reported
Ceqr Number: 10DCP039M

LOT 33,TAXBLOCK 223 (Continued) **S110670269**

Ulurp Number: 100369ZMM
Zoning Map No: 12a

Description: Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

B51 **APPLE FIBERS; INC.** **NY SWRCY** **S110670256**
ESE **444 GREENWICH STREET** **NY E DESIGNATION** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.043 mi.
227 ft. **Site 7 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

SWRCY:
Region: 2
Facility Address 2: Not reported
Phone Number: 2129252181
Owner Type: Not reported
Owner Name: Not reported
Owner Address: Not reported
Owner Address 2: Not reported
Owner City,St,Zip: Not reported
Owner Email: Not reported
Owner Phone: Not reported
Contact Name: ANTHONY J. VITALE; JR.
Contact Address: Not reported
Contact Address 2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: RHRF - registration
Activity Number: [31M10]
Active: No
East Coordinate: Not reported
North Coordinate: Not reported
Accuracy Code: Not reported
Regulatory Status: Not reported
Permit #: 2-6205-00044
Auth. Date: Not reported
Expiration Date: Not reported
Waste Types: Not reported

E DESIGNATION:
Tax Lot(s): 31
Tax Block: 223
Borough Code: MN
E-No: E-257
Effective Date: 10/13/2010
Satisfaction Date: Not reported
Ceqr Number: 10DCP039M
Ulurp Number: 100369ZMM
Zoning Map No: 12a

APPLE FIBERS; INC. (Continued) **S110670256**

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

B52 **LOT 29,TAXBLOCK 223** **NY E DESIGNATION** **S110670238**
East **450 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.043 mi.
227 ft. **Site 8 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:
Tax Lot(s): 29
Tax Block: 223
Borough Code: MN
E-No: E-257
Effective Date: 10/13/2010
Satisfaction Date: Not reported
Ceqr Number: 10DCP039M
Ulurp Number: 100369ZMM
Zoning Map No: 12a

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

Description: Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

B53 **LOT 32,TAXBLOCK 224** **NY E DESIGNATION** **S110670265**
East **454 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.043 mi.
227 ft. **Site 9 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:
Tax Lot(s): 32
Tax Block: 224
Borough Code: MN
E-No: E-257
Effective Date: 10/13/2010
Satisfaction Date: Not reported
Ceqr Number: 10DCP039M
Ulurp Number: 100369ZMM
Zoning Map No: 12a

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

B54
ESE
< 1/8
0.044 mi.
231 ft.

LOT 35,TAXBLOCK 223
438 GREENWICH STREET
MANHATTAN, NY

Site 10 of 21 in cluster B

NY E DESIGNATION **S110670279**
N/A

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:

Tax Lot(s):	35
Tax Block:	223
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

B55
ESE
< 1/8
0.046 mi.
242 ft.

OFFICE BUILDING
443 GREENWICH ST
MANHATTAN, NY

Site 11 of 21 in cluster B

NY Spills **S114560940**
N/A

Relative:
Higher

Actual:
10 ft.

SPILLS:

Facility ID:	1307537
Facility Type:	ER
DER Facility ID:	82158
Site ID:	488209
DEC Region:	2
Spill Date:	10/22/2013
Spill Number/Closed Date:	1307537 / 12/9/2013
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	3101
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	10/22/2013
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/22/2013
Spill Record Last Update:	12/10/2013
Spiller Name:	Not reported
Spiller Company:	OWNER - 443 DEVELOPER LLC

OFFICE BUILDING (Continued) **S114560940**

Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	DUSTIN KAPSON
Contact Phone:	(646) 388-9767
DEC Memo:	10/24/13-Hiralkmar Patel.alternate addresses: 443-453 Greenwich Street, 34-48 Vestry Street, 9-17 Desbrosses StreetPBS #: 2-607372, 2-610249as per PBS # 2-610249, site has one 7,000 gal empty UST. PBS record is administratively closed.as per PBS # 2-607372, site has one 7,000 gal #6 oil AST in contact with impervious barrier. the tank was installed in Jan. 1905. the PBS registration expired on 07/18/2011.other spills: 9211278spill # 9211278 was reported on 12/30/1992 due to 15 gal #6 oil overfill at the vent. case closed.little 'E' designation for hazmat/noise/air. ----------SGN 443 Greenwich Street Owner, LLC. **property owner**c/o Metro Loft Management, LLC. **management company**20 Exchange Place, Suite 1100New York, NY 10005Attn.: Robert TravisPh. (212) 706-3030email: rtravis@metroloftnyc.com12:35 PM:- spoke with Dustin at AKRF. they are working with NYC OER as part of little E designation. the building is vacant for couple of years. now, building owner is renovating the building for residential use. currently, there is a basement with floor at 7-8 ft bg. owner decided to extend the basement for another 2-2.5 ft depth. before excavation, AKRF collected waste characterization samples. during sampling, they found thin layer of soil contamination, below basement floor where the 7,000 gal tank was located. Dustin mentioned that the tank was removed as part of renovation project. he will submit PBS application. asked Dustin to submit sample results, once available.11/12/13-Hiralkumar Patel.3:45 PM:- left message for Dustin.12/06/13-Hiralkumar Patel.2:04 PM:- left message for Dustin.12/09/13-Hiralkumar Patel.3:00 PM:- visited site. met George, site supervisor. inspected area where tank was located. no odors noted in basement. no renovation activities in basement.4:13 PM:- received email from Dustin including sample results and site map. total of six soil samples were collected from five borings. out of six samples, four samples were collected from 0.5-1 ft depth. one sample was collected at 2-3 ft depth and one sample was collected at 5-6 ft depth. no VOC contamination noted in any sample. found SVOC contamination in surface sample (0.5-1 ft depth) from boring WC-2D-1, but no contamination noted in deeper sample (at 2-3 ft depth).based on observations during the site visit and avaiable sample results, case closed.
Remarks:	cleanup pending

Material:

Site ID:	488209
Operable Unit ID:	1237837
Operable Unit:	01
Material ID:	2237606
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

OFFICE BUILDING (Continued) **S114560940**

Tank Test:

D56
NNE
< 1/8
0.046 mi.
245 ft.

Relative:
Higher

Actual:
8 ft.

LOT 51,TAXBLOCK 595 **NY E DESIGNATION** **S110670369**
142 WATTS STREET **N/A**
MANHATTAN, NY 10013

Site 2 of 13 in cluster D

E DESIGNATION:

Tax Lot(s):	51
Tax Block:	595
Borough Code:	MN
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

D57
NNE
< 1/8
0.047 mi.
247 ft.

Relative:
Higher

Actual:
8 ft.

LOT 22,TAXBLOCK 595 **NY E DESIGNATION** **S110670196**
456 WASHINGTON STREET **N/A**
MANHATTAN, NY

Site 3 of 13 in cluster D

E DESIGNATION:

Tax Lot(s):	22
Tax Block:	595
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Air Quality - #2 Fuel Oil or #4 Fuel Oil or Natural Gas for HVAC systems
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

B58 **443 GREENWICH STREET** **NY AST** **A100307830**
ESE **443 GREENWICH STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.047 mi.
249 ft. **Site 12 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607372
Program Type:	PBS
UTM X:	583645.60750000004
UTM Y:	4508460.7691500001
Expiration Date:	07/18/2011
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	29225
Affiliation Type:	Mail Contact
Company Name:	443 GREENWICH LLC
Contact Type:	MEMBER
Contact Name:	SHAHAB KARMELY
Address1:	232 MADISON AVENUE, SUITE 200
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10016
Country Code:	001
Phone:	(212) 683-3090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	7/12/2007

Site Id:	29225
Affiliation Type:	On-Site Operator
Company Name:	443 GREENWICH STREET
Contact Type:	Not reported
Contact Name:	443 GREENWICH LLC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 683-3090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	7/12/2007

Site Id:	29225
Affiliation Type:	Emergency Contact
Company Name:	443 GREENWICH LLC
Contact Type:	Not reported
Contact Name:	FREDDY PISANI
Address1:	Not reported
Address2:	Not reported
City:	Not reported

443 GREENWICH STREET (Continued) **A100307830**

State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 683-3090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	7/12/2007

Site Id:	29225
Affiliation Type:	Facility Owner
Company Name:	443 GREENWICH LLC
Contact Type:	MEMBER
Contact Name:	SHAHAB KARMELY
Address1:	232 MADISON AVENUE, SUITE 200
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10016
Country Code:	001
Phone:	(212) 683-3090
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	7/12/2007

Tank Info:

Tank Number:	001
Tank Id:	62838
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
J00 - Dispenser - None
L00 - Piping Leak Detection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1905
Capacity Gallons:	7000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

443 GREENWICH STREET (Continued) **A100307830**

Modified By: DXLIVING
Last Modified: 07/12/2007
Material Name: #6 Fuel Oil (On-Site Consumption)

B59 **443 GREENWICH ST** **NY LTANKS** **S102672057**
ESE **443 GREENWICH ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.047 mi.
249 ft. **Site 13 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

LTANKS:
Site ID: 91150
Spill Number/Closed Date: 9211278 / 12/30/1992
Spill Date: 12/30/1992
Spill Cause: Tank Overfill
Spill Source: Tank Truck
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: 12/30/1992
Cleanup Meets Standard: True
SWIS: 3101
Investigator: CAMMISA
Referred To: Not reported
Reported to Dept: 12/30/1992
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1/7/1993
Spill Record Last Update: 6/7/2004
Spiller Name: Not reported
Spiller Company: CASTLE
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 82158
DEC Memo: Not reported
Remarks: CONATINED ON PAVEMENT NEAR VENT CASTLE HAS CREW EN ROUTE

Material:
Site ID: 91150
Operable Unit ID: 978242
Operable Unit: 01
Material ID: 404690
Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 15
Units: Gallons

443 GREENWICH ST (Continued) **S102672057**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

B60 **THE REGAL CO** **NY UST** **U004064655**
ESE **443 GREENWICH STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.047 mi.
249 ft. **Site 14 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

UST:
Id/Status: 2-610249 / Inactive
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: Not reported
UTM X: 583644.99832000001
UTM Y: 4508455.4911000002
Site Type: Other

Affiliation Records:
Site Id: 365619
Affiliation Type: Facility Owner
Company Name: THE REGAL CO
Contact Type: MANAGER
Contact Name: ALICE HUGHES
Address1: 443 GREENWICH STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: ?
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 6/19/2006

Site Id: 365619
Affiliation Type: Mail Contact
Company Name: THE REGAL CO
Contact Type: MANAGER
Contact Name: ALICE HUGHES
Address1: 443 GREENWICH STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: ?
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 6/19/2006

THE REGAL CO (Continued) **U004064655**

Site Id:	365619
Affiliation Type:	On-Site Operator
Company Name:	THE REGAL CO
Contact Type:	Not reported
Contact Name:	?
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 925-3360
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/19/2006

Site Id:	365619
Affiliation Type:	Emergency Contact
Company Name:	THE REGAL CO
Contact Type:	Not reported
Contact Name:	ALICE HUGHES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	?
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	6/19/2006

Tank Info:

Tank Number:	001
Tank ID:	212283
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	7000
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	12/27/1987
Pipe Model:	Not reported
Modified By:	EJCALIFA
Last Modified:	09/20/2007

Equipment Records:

THE REGAL CO (Continued) **U004064655**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
E04 - Piping Secondary Containment - Double-Walled (Underground)
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
G04 - Tank Secondary Containment - Double-Walled (Underground)
H00 - Tank Leak Detection - None
I01 - Overfill - Float Vent Valve

B61 **LOT 1,TAXBLOCK 222** **NY E DESIGNATION** **S110670105**
ESE **443 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.047 mi.
249 ft. **Site 15 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:

Tax Lot(s):	1
Tax Block:	222
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

B62 **CALDERON BELTS INC** **RCRA NonGen / NLR** **1000188231**
ESE **443 GREENWICH ST 3RD FL** **NY MANIFEST** **NYD001307321**
< 1/8 **NEW YORK, NY 10013**
0.047 mi.
249 ft. **Site 16 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CALDERON BELTS INC
Facility address:	443 GREENWICH ST 3RD FL NEW YORK, NY 10013
EPA ID:	NYD001307321
Mailing address:	GREENWICH ST 3RD FL NEW YORK, NY 10013
Contact:	Not reported
Contact address:	GREENWICH ST 3RD FL NEW YORK, NY 10013
Contact country:	US

CALDERON BELTS INC (Continued) **1000188231**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MUTTERPERL GROUP
Owner/operator address: 443 GREEN WICH ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 966-4920
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MUTTERPERL GROUP
Owner/operator address: 443 GREEN WICH ST
GREENWICH, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 966-4920
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: CALDERON BELTS INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: CALDERON BELTS INC
Classification: Not a generator, verified

Date form received by agency: 04/14/1992
Site name: CALDERON

CALDERON BELTS INC (Continued) **1000188231**

Classification: Large Quantity Generator

Date form received by agency: 12/10/1980
Site name: CALDERON BELTS INC
Classification: Small Quantity Generator

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, 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.

. Waste code: F002
. Waste name: 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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/18/1990
Date achieved compliance: 03/21/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/12/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 01/04/1985
Date achieved compliance: 06/05/1985
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/05/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

CALDERON BELTS INC (Continued) **1000188231**

Evaluation Action Summary:
Evaluation date: 01/18/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 03/21/1990
Evaluation lead agency: State

Evaluation date: 01/04/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Manifest
Date achieved compliance: 06/05/1985
Evaluation lead agency: State

NY MANIFEST:
EPA ID: NYD001307321
Country: USA
Location Address 1: 443 GREENWICH STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10023
Location Zip Code 4: Not reported

Mailing Info:
Name: CALDERON ACQUISITION CORPORATION
Contact: MELLAAMERICO ORN DEPT MG
Address: 443 GREENWICH STREET
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-966-4920

Manifest:

Document ID: NYB1812816
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS103
Trans2 State ID: NJDEPS103
Generator Ship Date: 09/21/1990
Trans1 Recv Date: 09/21/1990
Trans2 Recv Date: 09/24/1990
TSD Site Recv Date: 09/24/1990
Part A Recv Date: 01/03/1991
Part B Recv Date: 10/11/1990
Generator EPA ID: NYD001307321
Trans1 EPA ID: NJD000813477
Trans2 EPA ID: NJD000813477
TSDF ID: NYD057770109
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00220
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

CALDERON BELTS INC (Continued) **1000188231**

Document ID:	NJA0540751
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS063
Trans2 State ID:	NJDEPS063
Generator Ship Date:	12/06/1988
Trans1 Recv Date:	12/06/1988
Trans2 Recv Date:	12/07/1988
TSD Site Recv Date:	12/07/1988
Part A Recv Date:	12/08/1988
Part B Recv Date:	12/15/1988
Generator EPA ID:	NYD001307321
Trans1 EPA ID:	NJD982528168
Trans2 EPA ID:	NJD982528168
TSDF ID:	NJD002454544
Waste Code:	F001 - UNKNOWN
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1988

Document ID:	NYO1585296
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	01/13/1983
Trans1 Recv Date:	01/13/1983
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/13/1983
Part A Recv Date:	01/20/2003
Part B Recv Date:	01/20/2003
Generator EPA ID:	NYD001307321
Trans1 EPA ID:	NYD077515575
Trans2 EPA ID:	Not reported
TSDF ID:	NJD048810279
Waste Code:	U228 - TRICHLOROETHENE
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1983

Document ID:	NJA0357827
Manifest Status:	Completed copy
Trans1 State ID:	NJDEP#S06
Trans2 State ID:	Not reported
Generator Ship Date:	10/15/1987
Trans1 Recv Date:	10/15/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/16/1987
Part A Recv Date:	11/09/1987

CALDERON BELTS INC (Continued) **1000188231**

Part B Recv Date:	10/23/1987
Generator EPA ID:	NYD001307321
Trans1 EPA ID:	NJD981138324
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F001 - UNKNOWN
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1987

Document ID:	NYB1770255
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJXK81XX
Trans2 State ID:	Not reported
Generator Ship Date:	03/27/1991
Trans1 Recv Date:	03/27/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/02/1991
Part A Recv Date:	05/16/1991
Part B Recv Date:	04/16/1991
Generator EPA ID:	NYD001307321
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00800
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NJA0970719
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS815
Trans2 State ID:	Not reported
Generator Ship Date:	05/28/1991
Trans1 Recv Date:	05/28/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/28/1991
Part A Recv Date:	07/17/1991
Part B Recv Date:	06/10/1991
Generator EPA ID:	NYD001307321

CALDERON BELTS INC (Continued) **1000188231**

Trans1 EPA ID:	NJD156163438
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002454544
Waste Code:	F001 - UNKNOWN
Quantity:	00050
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1991

Document ID:	NYO1653741
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	1A019
Trans2 State ID:	Not reported
Generator Ship Date:	10/22/1981
Trans1 Recv Date:	10/22/1981
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/23/1981
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001307321
Trans1 EPA ID:	NYD077515575
Trans2 EPA ID:	Not reported
TSDF ID:	NJD048810279
Waste Code:	F001 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1980-1981

B63 **CON EDISON SERVICE BOX: 49035** **RCRA-CESQG** **1016149184**
South **414 WASHINGTON ST** **FINDS** **NYP004278446**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.049 mi.
259 ft. **Site 17 of 21 in cluster B**

Relative:
Higher

Actual:
9 ft.

RCRA-CESQG:

Date form received by agency:	11/16/2012
Facility name:	CON EDISON SERVICE BOX: 49035
Facility address:	414 WASHINGTON ST
	NEW YORK, NY 10013
EPA ID:	NYP004278446
Mailing address:	IRVING PL, RM 828
	NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported
	Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator

CON EDISON SERVICE BOX: 49035 (Continued) **1016149184**

Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055466516

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004278446
Country:	USA
Location Address 1:	414 WASHINGTON ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

CON EDISON SERVICE BOX: 49035 (Continued) **1016149184**

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	11/16/2012
Trans1 Recv Date:	11/16/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/20/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004278446
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	3000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010840212JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

B64
South
< 1/8
0.049 mi.
259 ft.

Relative:
Higher

Actual:
9 ft.

415 WASHINGTON ST - MISC **NY Spills** **S106970171**
415 WASHINGTON ST **N/A**
MANHATTAN, NY

Site 18 of 21 in cluster B

SPILLS:

Facility ID:	0505263
Facility Type:	ER
DER Facility ID:	296657
Site ID:	350214
DEC Region:	2

415 WASHINGTON ST - MISC (Continued) **S106970171**

Spill Date:	7/30/2005
Spill Number/Closed Date:	0505263 / 6/9/2008
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	rjfeng
Referred To:	RIR ONE SOIL BORING BY 7/7/08
Reported to Dept:	7/30/2005
CID:	41
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	6/19/2006
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/30/2005
Spill Record Last Update:	6/10/2008
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	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 LefkowitzWashington HJ, LLC1524 52nd StreetBrooklyn, NY 1121910.03.05 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

415 WASHINGTON ST - MISC (Continued) **S106970171**

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 rquired: 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

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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 impletmented. 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 dectected. 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

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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)

Remarks: Not reported

Material:

Site ID:	350214
Operable Unit ID:	1107794
Operable Unit:	01
Material ID:	2097683
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D65 **PARKING LOT - HISTORIC GAS STATION** **NY Spills** **S111317228**
NNW **281 WEST ST** **N/A**
< 1/8 **NEW YORK, NY**
0.052 mi.
276 ft. **Site 4 of 13 in cluster D**

Relative:
Lower

Actual:
3 ft.

SPILLS:

Facility ID:	1108206
Facility Type:	ER
DER Facility ID:	410494
Site ID:	455925
DEC Region:	2
Spill Date:	9/16/2011
Spill Number/Closed Date:	1108206 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JBVOUGHT
Referred To:	Not reported
Reported to Dept:	9/27/2011
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	9/27/2011
Spill Record Last Update:	10/11/2011
Spiller Name:	JOHN MELE
Spiller Company:	PONTE EQUITIES
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	JOHN MELE
Contact Phone:	(212) 274-1555
DEC Memo:	Sangesland spoke to Jennifer at Langan. She said they did a phase 2 for a potential purchaser of the site. Current owner is Ponte Equities and the manager there is John Mele. Jennifer will talk to the client about additional work and contact Jeff Vought directly with a schedule and work plan.
Remarks:	phase II investigation boring revealed soil and ground water in NW corner

Material:

Site ID:	455925
Operable Unit ID:	1206074
Operable Unit:	01
Material ID:	2203087
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported

PARKING LOT - HISTORIC GAS STATION (Continued) **S111317228**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

D66 **LOT 1,TAXBLOCK 595** **NY E DESIGNATION** **S110670112**
NNW **281 WEST STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.052 mi.
276 ft. **Site 5 of 13 in cluster D**

Relative:
Lower

Actual:
3 ft.

E DESIGNATION:
Tax Lot(s): 1
Tax Block: 595
Borough Code: Not reported
E-No: E-257
Effective Date: 10/13/2010
Satisfaction Date: Not reported
Ceqr Number: 10DCP039M
Ulurp Number: 100369ZMM
Zoning Map No: 12a

Description: Air Quality - #2 Fuel Oil or #4 Fuel Oil or Natural Gas for HVAC systems
Lot Remediation Date: Not reported

Description: Exhaust stack location limitations
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

D67 **WEST & WATTS DEVELOPMENT** **NY ENG CONTROLS** **S111455783**
NNW **281 WEST STREET AND 456 WASHINGTON STREET** **NY INST CONTROL** **N/A**
< 1/8 **NEW YORK, NY 10013** **NY BROWNFIELDS**
0.052 mi.
276 ft. **Site 6 of 13 in cluster D**

Relative:
Lower

Actual:
3 ft.

ENG CONTROLS:
Site Code: 459779
HW Code: C231076
Control Code: 15
Control Type: ENG
Date Record Added: 08/28/2014
Date Rec Updated: 01/05/2015
Updated By: snboller
Site Description: Location:The Site is located at 460 Washington Street (456 Washington Street) and 281 West Street in New York, New York (Tax Block 595, Lot 1). The Site was previously identified as Block 595, Lots 1 and 22 but the two lots were combined into one lot (Lot 1) on June 1, 2012. The Site is approximately 25,800 square feet and is bordered by mixed-use commercial/residential properties to the north, Washington

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

Street to the east, Watts Street to the south, and West Street (Route 9A Highway) to the west.Site Features: The western portion of the Site (formerly Lot 1) was initially occupied by an approximately 13,320 square-foot (0.31 acres) asphalt-paved parking lot and the eastern portion of the Site (formerly Lot 22) was occupied by two interconnected one- and two-story buildings. The two-story building, located on the northeastern portion of the Site, had a basement. This portion of the Site occupied an area of approximately 12,480 square feet (0.287 acres). The buildings and parking lot were demolished prior to remedial action at the Site.The Site has now been improved with a multi-story residential building with a partial cellar level and courtyard area that was constructed concurrently with implementation of the remedial action. Ground floor slabs at the Site now range from el 3 to el 8 and the top of the basement slab is at el -4. Surrounding sidewalk elevations range from approximately el 4 to el 7.5. The Site and regional topography slopes gently to the west towards the Hudson River.Current Zoning:In October 2010, the City Council adopted the North Tribeca Rezoning, which is intended to continue the neighborhood’s transformation from industrial uses to "family-friendly" residential uses. The rezoning created the Special Tribeca Mixed Use District in which the Site is located. Currently, adjacent properties consist of residential to the north and south, mixed commercial and residential to the east; the Hudson River and West Side Highway to the west and the Holland tunnel to the northwest.Historic Uses:Former lots 1 and 22 were developed with two to five-story buildings in 1894 with unknown use. In 1905, a warehouse was built on the northern two-thirds of lot 22 and used to store steel through 1925. In 1922 lot 1 was developed into a building with use labeled as Tower Stores Inc. Lot 1 was then used as a gasoline filling station from 1950 through 1968. Subsequently, it has been used as a parking lot. From 1928 to 2005, lot 22 was used as a railroad freight station/freight warehouse. Site Geology:The generalized stratigraphy underlying the Site is composed of a layer of historic fill overlying natural clay and sand deposits with varying amounts of silt, clay, and gravel followed by bedrock between approximately 85 and 98 feet below grade surface (bgs). The surficial fill layer extends to a maximum depth of approximately 23 feet bgs and is comprised of gray, black, and brown, coarse to fine sand with varying amounts of silt, gravel, crushed stone, concrete, brick, wood and shell fragments. The fill layer is underlain by a layer of organic clay or clay with varying amounts of silt and shell fragments in the western portion of the Site. The clay layer was encountered immediately below the fill layer at depths ranging from 11 to 23 feet bgs. A layer of sand with varying amounts of silt, clay, and gravel was encountered throughout the Site below the fill or clay layer. Underlying the soil deposits is hard sound gray schist bedrock. The depth to competent bedrock ranged from 91 to 98 feet bgs during the geotechnical subsurface investigation.Site Hydrology:Groundwater underlying the Site ranges from approximately 4.7 ft to 7.6 ft bgs (approximately el 3.5 to el -2.0) based on gauging of site wells during the investigation. The groundwater elevation is highest in the southeast and appears to slope toward the west, northwest across the majority of the Site, with some redirection toward the east along the western Site border. The lowest groundwater elevation, approximately el -2.0, was documented at a monitoring well located in the center of the parking lot on former Lot 1. Regional groundwater is presumed to flow west towards the Hudson River.

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

Env Problem: Nature and Extent of ContaminationPrior to Completion of Remediation:Based on the results of the Remedial Investigation there are elevated levels of petroleum related Volatile Organic Compounds (VOCs) in soil and groundwater in the northwestern section of lot 1 and elevated levels of semi-volatile organic compounds (SVOCs) and metals in the soil at lot 22. See attached Table 1 for concentrations compared to the Part 375 Soil Cleanup Objectives (SCOs).Soil: Historic Fill Impacts - The historic fill layer contained exceedances of the Restricted Residential Use Soil Cleanup Objectives (RRUSCOs) for VOCs, SVOCs, metals, and poly chlorinated biphenyls (PCBs). PCB exceedances were only reported in the eastern portion of former Lot 1. SVOCs and metals were detected at concentrations exceeding the RRUSCOs throughout the fill layer that were typical of historic urban fill material, except for the following:Metals exceeding RRUSCOs were identified in fill from between 1 and 10 feet bgs in the western half of the Site, and in fill from between 2 and 12 feet bgs in the southeastern portion of the Site. Fill material from intervals between 1 and 12 feet bgs on the southern portion of former Lot 22 contained the following metal concentrations: arsenic up to 58 parts per million (ppm) ; barium up to 510 ppm; cadmium up to 17 ppm; nickel up to 12,000 ppm; mercury up to 20 ppm ; lead up to 9,600 ppm; and copper up to 51,000 ppm.SVOCs, specifically carcinogenic polycyclic aromatice hydrocarbons (cPAHs), were reported at concentrations above RRUSCOs throughout the Site, but at anomalously higher concentrations in fill between 2 and 12 feet bgs in the southeastern portion of the Site. The following concentrations that exceed RRUSCOs were reported for fill from between 2 and 12 feet bgs: napthalene up to 190 ppm; benzo(a)anthracene up to 86 ppm; benzo(a)pyrene up to 59 ppm; benzo(b)flouranthene up to 78 ppm; benzo(k)flouranthene up to 24 ppm; dibenzo(a,h)anthracene up to 8.9 ppm; chrysene up to 82 ppm; indeno(1,2,3-cd)pyrene up to 31 ppm; flouranthene up to 160 ppm; phenanthrene up to 220 ppm; and pyrene up to 200 ppm.Petroleum-Impacted Fill - Petroleum-impacted soi/fill was encountered in the northwestern corner of the Site and is likely related to historic use of the lot as a gasoline filling/service station. Petroleum-impacted soil/fill(based on visual observations and analytical results) was identified at depths ranging from 5 to 15 feet bgs, straddling the groundwater table. Borings with VOC exceedances are located in the northwestern portion of the Site. The VOCs include 1,2,4-trimethylbenzene at 460 ppm; 1,3,5-trimethylbenzene at 180 ppm; ethylbenzene at 270 ppm; benzene at 1.2 ppm; toluene at 50 ppm; total xylenes at 860 ppm; n-propylbenzene at 120 ppm; sec-butylbenzene at 14 ppm; and n-butylbenzene at 13 ppm. Underground Storage Tanks (USTs) - USTs were not uncovered during the test pit investigation conducted in the northwestern portion of the Site as part of the RI; however, a fragment of an apparent former fill or vent line was observed, indicating a tank may have previously been located in this area. USTs may still be located at the Site. Groundwater:Petroleum-related VOCs and SVOCs were identified in groundwater at concentrations exceeding the applicable groundwater standards at MW-1, MW-3, RI-MW5, and/or RI-MW6 in the northwestern portion of the Site. Petroleum-related VOC exceedances in groundwater are limited to the northwest corner of the Site. Based on RI data, groundwater flow in this area of the site is to the east southeast. The two wells at the western site perimeter (RI-MW5 and RI-MW6) had total BTEX concentrations ranging from 26.9 to 126 parts per billion (ppb). Monitoring well MW-1, located west of

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

the site perimeter wells and within what is estimated to be the most-impacted petroleum area, had a total BTEX concentration of 11,956 ppb. Petroleum-related VOCs were also identified in soil samples collected from boring EB-1, and RI-SB1; therefore, it is likely that petroleum impacts to groundwater are related to the historic petroleum-release identified in the same area. Metal contaminants in the groundwater that exceeded applicable groundwater standards included iron, lead, manganese, mercury, selenium, sodium and magnesium in unfiltered samples. This likely arises from the quality of the fill material. However, filtered groundwater samples exhibited exceedances for sodium, magnesium and selenium only. The presence of sodium and magnesium can be attributed to saltwater intrusion. SVOC contaminants that exceeded applicable groundwater standards included the cPAHs - benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene - chrysene and naphthalene. Howver, thsi exceedance was exhibited at well MW-1 which is located in the northwest section of the Site where petroleum contamination was identified. Off-site migration is expected to be limited based on groundwater analytical data. Soil Vapor:Soil vapor sampling results indicated the presence of several VOCs, namely those associated with petroleum such as tri-methylbenzene, ethyl benzene, toluene and xylenes, above the anticipated range of background concentrations. Total VOCs in the subsurface soil vapor samples ranged from 155 micrograms per cubic meter (g/m3) in RI-SV5 to 802 g/m3 in RI-SV1. VOC concentrations in soil vapor are greatest in the eastern and western most portions of the Site. VOCs may be due to a combination of petroleum impacts in the northwestern portion of the Site and unknown off-site sources.Post-Remediation:Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were petroleum related VOCs and SVOCs in soil and groundwater. Remedial action has successfully achieved soil cleanup objectives for restricted residential use. Seven USTs were also removed and appropriately decommissioned. Residual contamination in the soil, and groundwater is being managed under a Site Management Plan.

Health Problem: Remedial activities undertaken at the site have effectively reduced the potential for exposure to site-related contaminants and measures are in place to ensure that these measures remain protective in the future.

INST CONTROL:

Site Code: 459779
Control Name: Ground Water Use Restriction
HW Code: C231076
Control Code: 08
Control Type: INST
Dt record added: 08/28/2014
Dt rec updated: 01/05/2015
Updated By: snboller
Site Code: 459779
Site Description: Location:The Site is located at 460 Washington Street (456 Washington Street) and 281 West Street in New York, New York (Tax Block 595, Lot 1). The Site was previously identified as Block 595, Lots 1 and 22 but the two lots were combined into one lot (Lot 1) on June 1, 2012. The Site is approximately 25,800 square feet and is bordered by mixed-use commercial/residential properties to the north, Washington Street to the east, Watts Street to the south, and West Street (Route 9A Highway) to the west.Site Features: The western portion of the

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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Env Problem: Nature and Extent of ContaminationPrior to Completion of Remediation:Based on the results of the Remedial Investigation there

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

are elevated levels of petroleum related Volatile Organic Compounds (VOCs) in soil and groundwater in the northwestern section of lot 1 and elevated levels of semi-volatile organic compounds (SVOCs) and metals in the soil at lot 22. See attached Table 1 for concentrations compared to the Part 375 Soil Cleanup Objectives (SCOs).Soil: Historic Fill Impacts - The historic fill layer contained exceedances of the Restricted Residential Use Soil Cleanup Objectives (RRUSCOs) for VOCs, SVOCs, metals, and poly chlorinated biphenyls (PCBs). PCB exceedances were only reported in the eastern portion of former Lot 1. SVOCs and metals were detected at concentrations exceeding the RRUSCOs throughout the fill layer that were typical of historic urban fill material, except for the following:Metals exceeding RRUSCOs were identified in fill from between 1 and 10 feet bgs in the western half of the Site, and in fill from between 2 and 12 feet bgs in the southeastern portion of the Site. Fill material from intervals between 1 and 12 feet bgs on the southern portion of former Lot 22 contained the following metal concentrations: arsenic up to 58 parts per million (ppm) ; barium up to 510 ppm; cadmium up to 17 ppm; nickel up to 12,000 ppm; mercury up to 20 ppm ; lead up to 9,600 ppm; and copper up to 51,000 ppm.SVOCs, specifically carcinogenic polycyclic aromatice hydrocarbons (cPAHs), were reported at concentrations above RRUSCOs throughout the Site, but at anomalously higher concentrations in fill between 2 and 12 feet bgs in the southeastern portion of the Site. The following concentrations that exceed RRUSCOs were reported for fill from between 2 and 12 feet bgs: napthalene up to 190 ppm; benzo(a)anthracene up to 86 ppm; benzo(a)pyrene up to 59 ppm; benzo(b)flouranthene up to 78 ppm; benzo(k)flouranthene up to 24 ppm; dibenzo(a,h)anthracene up to 8.9 ppm; chrysene up to 82 ppm; indeno(1,2,3-cd)pyrene up to 31 ppm; flouranthene up to 160 ppm; phenanthrene up to 220 ppm; and pyrene up to 200 ppm.Petroleum-Impacted Fill - Petroleum-impacted soi/fill was encountered in the northwestern corner of the Site and is likely related to historic use of the lot as a gasoline filling/service station. Petroleum-impacted soil/fill(based on visual observations and analytical results) was identified at depths ranging from 5 to 15 feet bgs, straddling the groundwater table. Borings with VOC exceedances are located in the northwestern portion of the Site. The VOCs include 1,2,4-trimethylbenzene at 460 ppm; 1,3,5-trimethylbenzene at 180 ppm; ethylbenzene at 270 ppm; benzene at 1.2 ppm; toluene at 50 ppm; total xylenes at 860 ppm; n-propylbenzene at 120 ppm; sec-butylbenzene at 14 ppm; and n-butylbenzene at 13 ppm. Underground Storage Tanks (USTs) - USTs were not uncovered during the test pit investigation conducted in the northwestern portion of the Site as part of the RI; however, a fragment of an apparent former fill or vent line was observed, indicating a tank may have previously been located in this area. USTs may still be located at the Site. Groundwater:Petroleum-related VOCs and SVOCs were identified in groundwater at concentrations exceeding the applicable groundwater standards at MW-1, MW-3, RI-MW5, and/or RI-MW6 in the northwestern portion of the Site. Petroleum-related VOC exceedances in groundwater are limited to the northwest corner of the Site. Based on RI data, groundwater flow in this area of the site is to the east southeast. The two wells at the western site perimeter (RI-MW5 and RI-MW6) had total BTEX concentrations ranging from 26.9 to 126 parts per billion (ppb). Monitoring well MW-1, located west of the site perimeter wells and within what is estimated to be the most-impacted petroleum area, had a total BTEX concentration of

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

11,956 ppb. Petroleum-related VOCs were also identified in soil samples collected from boring EB-1, and RI-SB1; therefore, it is likely that petroleum impacts to groundwater are related to the historic petroleum-release identified in the same area. Metal contaminants in the groundwater that exceeded applicable groundwater standards included iron, lead, manganese, mercury, selenium, sodium and magnesium in unfiltered samples. This likely arises from the quality of the fill material. However, filtered groundwater samples exhibited exceedances for sodium, magnesium and selenium only. The presence of sodium and magnesium can be attributed to saltwater intrusion. SVOC contaminants that exceeded applicable groundwater standards included the cPAHs - benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene - chrysene and naphthalene. Howver, thsi exceedance was exhibited at well MW-1 which is located in the northwest section of the Site where petroleum contamination was identified. Off-site migration is expected to be limited based on groundwater analytical data. Soil Vapor:Soil vapor sampling results indicated the presence of several VOCs, namely those associated with petroleum such as tri-methylbenzene, ethyl benzene, toluene and xylenes, above the anticipated range of background concentrations. Total VOCs in the subsurface soil vapor samples ranged from 155 micrograms per cubic meter (g/m3) in RI-SV5 to 802 g/m3 in RI-SV1. VOC concentrations in soil vapor are greatest in the eastern and western most portions of the Site. VOCs may be due to a combination of petroleum impacts in the northwestern portion of the Site and unknown off-site sources.Post-Remediation:Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were petroleum related VOCs and SVOCs in soil and groundwater. Remedial action has successfully achieved soil cleanup objectives for restricted residential use. Seven USTs were also removed and appropriately decommissioned. Residual contamination in the soil, and groundwater is being managed under a Site Management Plan.

Health Problem: Remedial activities undertaken at the site have effectively reduced the potential for exposure to site-related contaminants and measures are in place to ensure that these measures remain protective in the future.

Site Code: 459779
Control Name: IC/EC Plan
HW Code: C231076
Control Code: 34
Control Type: INST
Dt record added: 08/28/2014
Dt rec updated: 01/05/2015
Updated By: snboller
Site Code: 459779
Site Description: Location:The Site is located at 460 Washington Street (456 Washington Street) and 281 West Street in New York, New York (Tax Block 595, Lot 1). The Site was previously identified as Block 595, Lots 1 and 22 but the two lots were combined into one lot (Lot 1) on June 1, 2012. The Site is approximately 25,800 square feet and is bordered by mixed-use commercial/residential properties to the north, Washington Street to the east, Watts Street to the south, and West Street (Route 9A Highway) to the west.Site Features: The western portion of the Site (formerly Lot 1) was initially occupied by an approximately 13,320 square-foot (0.31 acres) asphalt-paved parking lot and the eastern portion of the Site (formerly Lot 22) was occupied by two

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

interconnected one- and two-story buildings. The two-story building, located on the northeastern portion of the Site, had a basement. This portion of the Site occupied an area of approximately 12,480 square feet (0.287 acres). The buildings and parking lot were demolished prior to remedial action at the Site.The Site has now been improved with a multi-story residential building with a partial cellar level and courtyard area that was constructed concurrently with implementation of the remedial action. Ground floor slabs at the Site now range from el 3 to el 8 and the top of the basement slab is at el -4. Surrounding sidewalk elevations range from approximately el 4 to el 7.5. The Site and regional topography slopes gently to the west towards the Hudson River.Current Zoning:In October 2010, the City Council adopted the North Tribeca Rezoning, which is intended to continue the neighborhood’s transformation from industrial uses to "family-friendly" residential uses. The rezoning created the Special Tribeca Mixed Use District in which the Site is located. Currently, adjacent properties consist of residential to the north and south, mixed commercial and residential to the east; the Hudson River and West Side Highway to the west and the Holland tunnel to the northwest.Historic Uses:Former lots 1 and 22 were developed with two to five-story buildings in 1894 with unknown use. In 1905, a warehouse was built on the northern two-thirds of lot 22 and used to store steel through 1925. In 1922 lot 1 was developed into a building with use labeled as Tower Stores Inc. Lot 1 was then used as a gasoline filling station from 1950 through 1968. Subsequently, it has been used as a parking lot. From 1928 to 2005, lot 22 was used as a railroad freight station/freight warehouse. Site Geology:The generalized stratigraphy underlying the Site is composed of a layer of historic fill overlying natural clay and sand deposits with varying amounts of silt, clay, and gravel followed by bedrock between approximately 85 and 98 feet below grade surface (bgs). The surficial fill layer extends to a maximum depth of approximately 23 feet bgs and is comprised of gray, black, and brown, coarse to fine sand with varying amounts of silt, gravel, crushed stone, concrete, brick, wood and shell fragments. The fill layer is underlain by a layer of organic clay or clay with varying amounts of silt and shell fragments in the western portion of the Site. The clay layer was encountered immediately below the fill layer at depths ranging from 11 to 23 feet bgs. A layer of sand with varying amounts of silt, clay, and gravel was encountered throughout the Site below the fill or clay layer. Underlying the soil deposits is hard sound gray schist bedrock. The depth to competent bedrock ranged from 91 to 98 feet bgs during the geotechnical subsurface investigation.Site Hydrology:Groundwater underlying the Site ranges from approximately 4.7 ft to 7.6 ft bgs (approximately el 3.5 to el -2.0) based on gauging of site wells during the investigation. The groundwater elevation is highest in the southeast and appears to slope toward the west, northwest across the majority of the Site, with some redirection toward the east along the western Site border. The lowest groundwater elevation, approximately el -2.0, was documented at a monitoring well located in the center of the parking lot on former Lot 1. Regional groundwater is presumed to flow west towards the Hudson River.

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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Control Name: O&M Plan
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Control Code: 33
Control Type: INST
Dt record added: 08/28/2014
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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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Health Problem: Remedial activities undertaken at the site have effectively reduced the potential for exposure to site-related contaminants and measures are in place to ensure that these measures remain protective in the future.

Site Code: 459779
Control Name: Monitoring Plan
HW Code: C231076
Control Code: 31
Control Type: INST
Dt record added: 08/28/2014
Dt rec updated: 01/05/2015
Updated By: snboller
Site Code: 459779
Site Description: Location:The Site is located at 460 Washington Street (456 Washington Street) and 281 West Street in New York, New York (Tax Block 595, Lot 1). The Site was previously identified as Block 595, Lots 1 and 22 but the two lots were combined into one lot (Lot 1) on June 1, 2012. The Site is approximately 25,800 square feet and is bordered by mixed-use commercial/residential properties to the north, Washington Street to the east, Watts Street to the south, and West Street (Route 9A Highway) to the west.Site Features: The western portion of the Site (formerly Lot 1) was initially occupied by an approximately 13,320 square-foot (0.31 acres) asphalt-paved parking lot and the eastern portion of the Site (formerly Lot 22) was occupied by two interconnected one- and two-story buildings. The two-story building, located on the northeastern portion of the Site, had a basement. This portion of the Site occupied an area of approximately 12,480 square feet (0.287 acres). The buildings and parking lot were demolished prior to remedial action at the Site.The Site has now been improved with a multi-story residential building with a partial cellar level and courtyard area that was constructed concurrently with implementation of the remedial action. Ground floor slabs at the Site now range from el 3 to el 8 and the top of the basement slab is at el

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-4. Surrounding sidewalk elevations range from approximately el 4 to el 7.5. The Site and regional topography slopes gently to the west towards the Hudson River.Current Zoning:In October 2010, the City Council adopted the North Tribeca Rezoning, which is intended to continue the neighborhood’s transformation from industrial uses to "family-friendly" residential uses. The rezoning created the Special Tribeca Mixed Use District in which the Site is located. Currently, adjacent properties consist of residential to the north and south, mixed commercial and residential to the east; the Hudson River and West Side Highway to the west and the Holland tunnel to the northwest.Historic Uses:Former lots 1 and 22 were developed with two to five-story buildings in 1894 with unknown use. In 1905, a warehouse was built on the northern two-thirds of lot 22 and used to store steel through 1925. In 1922 lot 1 was developed into a building with use labeled as Tower Stores Inc. Lot 1 was then used as a gasoline filling station from 1950 through 1968. Subsequently, it has been used as a parking lot. From 1928 to 2005, lot 22 was used as a railroad freight station/freight warehouse. Site Geology:The generalized stratigraphy underlying the Site is composed of a layer of historic fill overlying natural clay and sand deposits with varying amounts of silt, clay, and gravel followed by bedrock between approximately 85 and 98 feet below grade surface (bgs). The surficial fill layer extends to a maximum depth of approximately 23 feet bgs and is comprised of gray, black, and brown, coarse to fine sand with varying amounts of silt, gravel, crushed stone, concrete, brick, wood and shell fragments. The fill layer is underlain by a layer of organic clay or clay with varying amounts of silt and shell fragments in the western portion of the Site. The clay layer was encountered immediately below the fill layer at depths ranging from 11 to 23 feet bgs. A layer of sand with varying amounts of silt, clay, and gravel was encountered throughout the Site below the fill or clay layer. Underlying the soil deposits is hard sound gray schist bedrock. The depth to competent bedrock ranged from 91 to 98 feet bgs during the geotechnical subsurface investigation.Site Hydrology:Groundwater underlying the Site ranges from approximately 4.7 ft to 7.6 ft bgs (approximately el 3.5 to el -2.0) based on gauging of site wells during the investigation. The groundwater elevation is highest in the southeast and appears to slope toward the west, northwest across the majority of the Site, with some redirection toward the east along the western Site border. The lowest groundwater elevation, approximately el -2.0, was documented at a monitoring well located in the center of the parking lot on former Lot 1. Regional groundwater is presumed to flow west towards the Hudson River.

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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Site Code: 459779
Control Name: Environmental Easement
HW Code: C231076
Control Code: J
Control Type: INST
Dt record added: 08/28/2014
Dt rec updated: 01/05/2015
Updated By: snboller
Site Code: 459779

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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Site Code: 459779
Control Name: Landuse Restriction
HW Code: C231076
Control Code: 25
Control Type: INST
Dt record added: 08/28/2014
Dt rec updated: 01/05/2015
Updated By: snboller
Site Code: 459779

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

nickel up to 12,000 ppm; mercury up to 20 ppm ; lead up to 9,600 ppm; and copper up to 51,000 ppm.SVOCs, specifically carcinogenic polycyclic aromatice hydrocarbons (cPAHs), were reported at concentrations above RRUSCOs throughout the Site, but at anomalously higher concentrations in fill between 2 and 12 feet bgs in the southeastern portion of the Site. The following concentrations that exceed RRUSCOs were reported for fill from between 2 and 12 feet bgs: napthalene up to 190 ppm; benzo(a)anthracene up to 86 ppm; benzo(a)pyrene up to 59 ppm; benzo(b)flouranthene up to 78 ppm; benzo(k)flouranthene up to 24 ppm; dibenzo(a,h)anthracene up to 8.9 ppm; chrysene up to 82 ppm; indeno(1,2,3-cd)pyrene up to 31 ppm; flouranthene up to 160 ppm; phenanthrene up to 220 ppm; and pyrene up to 200 ppm.Petroleum-Impacted Fill - Petroleum-impacted soi/fill was encountered in the northwestern corner of the Site and is likely related to historic use of the lot as a gasoline filling/service station. Petroleum-impacted soil/fill(based on visual observations and analytical results) was identified at depths ranging from 5 to 15 feet bgs, straddling the groundwater table. Borings with VOC exceedances are located in the northwestern portion of the Site. The VOCs include 1,2,4-trimethylbenzene at 460 ppm; 1,3,5-trimethylbenzene at 180 ppm; ethylbenzene at 270 ppm; benzene at 1.2 ppm; toluene at 50 ppm; total xylenes at 860 ppm; n-propylbenzene at 120 ppm; sec-butylbenzene at 14 ppm; and n-butylbenzene at 13 ppm. Underground Storage Tanks (USTs) - USTs were not uncovered during the test pit investigation conducted in the northwestern portion of the Site as part of the RI; however, a fragment of an apparent former fill or vent line was observed, indicating a tank may have previously been located in this area. USTs may still be located at the Site. Groundwater:Petroleum-related VOCs and SVOCs were identified in groundwater at concentrations exceeding the applicable groundwater standards at MW-1, MW-3, RI-MW5, and/or RI-MW6 in the northwestern portion of the Site. Petroleum-related VOC exceedances in groundwater are limited to the northwest corner of the Site. Based on RI data, groundwater flow in this area of the site is to the east southeast. The two wells at the western site perimeter (RI-MW5 and RI-MW6) had total BTEX concentrations ranging from 26.9 to 126 parts per billion (ppb). Monitoring well MW-1, located west of the site perimeter wells and within what is estimated to be the most-impacted petroleum area, had a total BTEX concentration of 11,956 ppb. Petroleum-related VOCs were also identified in soil samples collected from boring EB-1, and RI-SB1; therefore, it is likely that petroleum impacts to groundwater are related to the historic petroleum-release identified in the same area. Metal contaminants in the groundwater that exceeded applicable groundwater standards included iron, lead, manganese, mercury, selenium, sodium and magnesium in unfiltered samples. This likely arises from the quality of the fill material. However, filtered groundwater samples exhibited exceedances for sodium, magnesium and selenium only. The presence of sodium and magnesium can be attributed to saltwater intrusion. SVOC contaminants that exceeded applicable groundwater standards included the cPAHs - benzo(a)pyrene, benzo(b)fluoranthene, benzo(k) fluoranthene - chrysene and naphthalene. Howver, thsi exceedance was exhibited at well MW-1 which is located in the northwest section of the Site where petroleum contamination was identified. Off-site migration is expected to be limited based on groundwater analytical data. Soil Vapor:Soil vapor sampling results indicated the presence of several VOCs, namely those associated with

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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Site Code: 459779
Control Name: Soil Management Plan
HW Code: C231076
Control Code: 14
Control Type: INST
Dt record added: 08/28/2014
Dt rec updated: 01/05/2015
Updated By: snboller
Site Code: 459779

Site Description: Location:The Site is located at 460 Washington Street (456 Washington Street) and 281 West Street in New York, New York (Tax Block 595, Lot 1). The Site was previously identified as Block 595, Lots 1 and 22 but the two lots were combined into one lot (Lot 1) on June 1, 2012. The Site is approximately 25,800 square feet and is bordered by mixed-use commercial/residential properties to the north, Washington Street to the east, Watts Street to the south, and West Street (Route 9A Highway) to the west.Site Features: The western portion of the Site (formerly Lot 1) was initially occupied by an approximately 13,320 square-foot (0.31 acres) asphalt-paved parking lot and the eastern portion of the Site (formerly Lot 22) was occupied by two interconnected one- and two-story buildings. The two-story building, located on the northeastern portion of the Site, had a basement. This portion of the Site occupied an area of approximately 12,480 square feet (0.287 acres). The buildings and parking lot were demolished prior to remedial action at the Site.The Site has now been improved with a multi-story residential building with a partial cellar level and courtyard area that was constructed concurrently with implementation of the remedial action. Ground floor slabs at the Site now range from el 3 to el 8 and the top of the basement slab is at el -4. Surrounding sidewalk elevations range from approximately el 4 to el 7.5. The Site and regional topography slopes gently to the west towards the Hudson River.Current Zoning:In October 2010, the City Council adopted the North Tribeca Rezoning, which is intended to continue the neighborhood’s transformation from industrial uses to "family-friendly" residential uses. The rezoning created the Special Tribeca Mixed Use District in which the Site is located. Currently, adjacent properties consist of residential to the north and south, mixed commercial and residential to the east; the Hudson

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

River and West Side Highway to the west and the Holland tunnel to the northwest.Historic Uses:Former lots 1 and 22 were developed with two to five-story buildings in 1894 with unknown use. In 1905, a warehouse was built on the northern two-thirds of lot 22 and used to store steel through 1925. In 1922 lot 1 was developed into a building with use labeled as Tower Stores Inc. Lot 1 was then used as a gasoline filling station from 1950 through 1968. Subsequently, it has been used as a parking lot. From 1928 to 2005, lot 22 was used as a railroad freight station/freight warehouse. Site Geology:The generalized stratigraphy underlying the Site is composed of a layer of historic fill overlying natural clay and sand deposits with varying amounts of silt, clay, and gravel followed by bedrock between approximately 85 and 98 feet below grade surface (bgs). The surficial fill layer extends to a maximum depth of approximately 23 feet bgs and is comprised of gray, black, and brown, coarse to fine sand with varying amounts of silt, gravel, crushed stone, concrete, brick, wood and shell fragments. The fill layer is underlain by a layer of organic clay or clay with varying amounts of silt and shell fragments in the western portion of the Site. The clay layer was encountered immediately below the fill layer at depths ranging from 11 to 23 feet bgs. A layer of sand with varying amounts of silt, clay, and gravel was encountered throughout the Site below the fill or clay layer. Underlying the soil deposits is hard sound gray schist bedrock. The depth to competent bedrock ranged from 91 to 98 feet bgs during the geotechnical subsurface investigation.Site Hydrology:Groundwater underlying the Site ranges from approximately 4.7 ft to 7.6 ft bgs (approximately el 3.5 to el -2.0) based on gauging of site wells during the investigation. The groundwater elevation is highest in the southeast and appears to slope toward the west, northwest across the majority of the Site, with some redirection toward the east along the western Site border. The lowest groundwater elevation, approximately el -2.0, was documented at a monitoring well located in the center of the parking lot on former Lot 1. Regional groundwater is presumed to flow west towards the Hudson River.

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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BROWNFIELDS:

Program: BCP
Site Code: 459779
Acres: .592
HW Code: C231076
SWIS: 3101
Town: New York City
Update By: BXANDERS
Site Description: Location:The Site is located at 460 Washington Street (456 Washington Street) and 281 West Street in New York, New York (Tax Block 595, Lot 1). The Site was previously identified as Block 595, Lots 1 and 22 but the two lots were combined into one lot (Lot 1) on June 1, 2012. The Site is approximately 25,800 square feet and is bordered by mixed-use commercial/residential properties to the north, Washington Street to the east, Watts Street to the south, and West Street (Route 9A Highway) to the west.Site Features: The western portion of the Site (formerly Lot 1) was initially occupied by an approximately 13,320 square-foot (0.31 acres) asphalt-paved parking lot and the eastern portion of the Site (formerly Lot 22) was occupied by two interconnected one- and two-story buildings. The two-story building, located on the northeastern portion of the Site, had a basement. This portion of the Site occupied an area of approximately 12,480 square feet (0.287 acres). The buildings and parking lot were demolished prior to remedial action at the Site.The Site has now been improved with a multi-story residential building with a partial cellar level and courtyard area that was constructed concurrently with implementation of the remedial action. Ground floor slabs at the Site now range from el 3 to el 8 and the top of the basement slab is at el -4. Surrounding sidewalk elevations range from approximately el 4 to el 7.5. The Site and regional topography slopes gently to the west towards the Hudson River.Current Zoning:In October 2010, the City Council adopted the North Tribeca Rezoning, which is intended to continue the neighborhood’s transformation from industrial uses to "family-friendly" residential uses. The rezoning created the Special Tribeca Mixed Use District in which the Site is located. Currently, adjacent properties consist of residential to the north and south, mixed commercial and residential to the east; the Hudson River and West Side Highway to the west and the Holland tunnel to the northwest.Historic Uses:Former lots 1 and 22 were developed with two to five-story buildings in 1894 with unknown use. In 1905, a warehouse was built on the northern two-thirds of lot 22 and used to

WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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WEST & WATTS DEVELOPMENT (Continued) **S111455783**

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B68 **435 GREENWICH CORP** **NY TANKS** **U003396602**
SE **435 GREENWICH STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.053 mi.
282 ft. **Site 19 of 21 in cluster B**

Relative:
Higher

Actual:
10 ft.

TANKS:

Facility Id:	2-602360
Region:	STATE
DEC Region:	2
Site Status:	Inactive
Program Type:	PBS
Expiration Date:	07/25/2000
UTM X:	583674.52425000002
UTM Y:	4508427.2571599996

HIST AST:

PBS Number:	2-602360
SWIS Code:	6201
Operator:	RICHARD HOLOWCHAK
Facility Phone:	(212) 687-7030
Facility Addr2:	Not reported
Facility Type:	UTILITY
Emergency:	RICHARD HOLOWCHAK
Emergency Tel:	(212) 687-7030
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	435 GREENWICH CORP
Owner Address:	240 CENTRAL PARK SOUTH
Owner City,St,Zip:	NEW YORK, NY 10013
Federal ID:	Not reported
Owner Tel:	(212) 974-1040
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	RICHARD HOLOWCHACK
Mailing Name:	CLASH CONSTRUCTION COMPANY
Mailing Address:	110 EAST 42ND STREET, SUITE 1405
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Telephone:	(212) 687-7030
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist

435 GREENWICH CORP (Continued) **U003396602**

or not at the facility.

Certification Flag:	False
Certification Date:	08/07/1995
Expiration:	07/25/2000
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	1
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	06
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

E69 **HUDSON RIVER PARK** **NY LTANKS** **S108639502**
NNW **WEST ST/ WATT ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.056 mi.
297 ft. **Site 1 of 4 in cluster E**

Relative:
Lower

Actual:
2 ft.

LTANKS:

Site ID:	380744
Spill Number/Closed Date:	0701262 / 8/1/2007
Spill Date:	4/30/2007
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

HUDSON RIVER PARK (Continued) **S108639502**

	Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	rmpiper
Referred To:	Not reported
Reported to Dept:	4/30/2007
CID:	408
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/30/2007
Spill Record Last Update:	8/1/2007
Spiller Name:	MARC BODDEWYN
Spiller Company:	HUDSON RIVER PARK
Spiller Address:	WEST ST/ WATT ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	AXEL SCHWENDT
Spiller Phone:	(646) 388-3529
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	330168
DEC Memo:	Sangesland spoke with Marcus Simmons with AKRF.Tank was uncovered and pulled. Contaminated soil was found.CSL letter was sent to:Marc BoddewynHudson River Park TrustPier 40 @ West Houston St - 2nd FrlNew York, NY 100147/26/07 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.
Remarks:	HAS BEEN CONTAINED AND TANK WILL BE REMOVED ON WED.;

Material:

Site ID:	380744
Operable Unit ID:	1138222
Operable Unit:	01
Material ID:	2128201
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

F70 **LAIGHT COOPERATIVE CORP.** **NY AST** **A100294738**
South **76 LAIGHT STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.057 mi.
299 ft. **Site 1 of 10 in cluster F**

Relative:
Higher

Actual:
9 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-607742
Program Type:	PBS
UTM X:	583571.43665000005
UTM Y:	4508394.2087000003
Expiration Date:	05/03/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	29594
Affiliation Type:	Facility Owner
Company Name:	LAIGHT COOPERATIVE CORP. C/O GROGAN AND ASSOC.
Contact Type:	MGR
Contact Name:	MARTIN MARKS
Address1:	320 EAST 39TH ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 370-1480
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/21/2012

Site Id:	29594
Affiliation Type:	Mail Contact
Company Name:	LAIGHT COOPERATIVE CORP. C/O GROGAN AND ASSOC.
Contact Type:	Not reported
Contact Name:	MARTIN MARKS
Address1:	320 EAST 39TH ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10016
Country Code:	001
Phone:	(212) 370-1480
EMail:	MMARKS@GROGANASSOC.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	11/21/2012

Site Id:	29594
Affiliation Type:	On-Site Operator
Company Name:	LAIGHT COOPERATIVE CORP.
Contact Type:	Not reported
Contact Name:	IVAN CHEVERES
Address1:	Not reported
Address2:	Not reported
City:	Not reported

LAIGHT COOPERATIVE CORP. (Continued) **A100294738**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (917) 685-4289
EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 4/13/2007

Site Id: 29594
Affiliation Type: Emergency Contact
Company Name: LAIGHT COOPERATIVE CORP.
Contact Type: Not reported
Contact Name: BOB MILAN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (917) 860-9894
EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 4/13/2007

Tank Info:

Tank Number: 001
Tank Id: 63440
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J01 - Dispenser - Pressurized Dispenser
K99 - Spill Prevention - Other
L02 - Piping Leak Detection - Interstitial - Manual Monitoring
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location: 1
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1963
Capacity Gallons: 2000
Tightness Test Method: 21
Date Test: 04/19/2012
Next Test Date: Not reported
Date Tank Closed: Not reported

LAIGHT COOPERATIVE CORP. (Continued) **A100294738**

Register: True
Modified By: BKFALVEY
Last Modified: 11/21/2012
Material Name: #2 Fuel Oil (On-Site Consumption)

D71 **C. TRUE BUILDING CORPORATION** **NY AST** **U003396844**
ENE **465 GREENWICH STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.057 mi.
302 ft. **Site 7 of 13 in cluster D**

Relative:
Higher

Actual:
10 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-602815
Program Type: PBS
UTM X: 583695.50179999997
UTM Y: 4508581.8096500002
Expiration Date: 11/19/2011
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 24771
Affiliation Type: Facility Owner
Company Name: C. TRUE BUILDING CORPORATION C/O ANDREWS BLDG CORP
Contact Type: MGR
Contact Name: ANTHONY MILSTIEN
Address1: 666 BROADWAY 12 FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10012
Country Code: 001
Phone: (212) 529-5688
EMail: Not reported
Fax Number: Not reported
Modified By: msbaptis
Date Last Modified: 8/30/2006

Site Id: 24771
Affiliation Type: Mail Contact
Company Name: C. TRUE BUILDING CORP. C/O ANDREWS BLDG. CORP/
Contact Type: Not reported
Contact Name: ANTHONY MILSTEIN
Address1: 666 BROADWAY 12 FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10012
Country Code: 001
Phone: (212) 529-5688
EMail: Not reported
Fax Number: Not reported
Modified By: msbaptis
Date Last Modified: 8/30/2006

Site Id: 24771

C. TRUE BUILDING CORPORATION (Continued) **U003396844**

Affiliation Type:	On-Site Operator
Company Name:	C. TRUE BUILDING CORPORATION
Contact Type:	Not reported
Contact Name:	ELVIS JACQUEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 343-2346
EMail:	Not reported
Fax Number:	Not reported
Modified By:	msbaptis
Date Last Modified:	8/30/2006

Site Id:	24771
Affiliation Type:	Emergency Contact
Company Name:	C. TRUE BUILDING CORPORATION C/O ANDREWS BLDG CORP
Contact Type:	Not reported
Contact Name:	EUGENE ANDREWS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	51759
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported

C. TRUE BUILDING CORPORATION (Continued) **U003396844**

Capacity Gallons:	5000
Tightness Test Method:	21
Date Test:	02/13/2002
Next Test Date:	Not reported
Date Tank Closed:	01/10/2008
Register:	True
Modified By:	NRLOMBAR
Last Modified:	04/17/2014
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-602815
SWIS Code:	6201
Operator:	ELUIS JACQUEZ
Facility Phone:	(212) 343-2346
Facility Addr2:	Not reported
Facility Type:	APARTMENT BUILDING
Emergency:	EUGENE ANDREWS
Emergency Tel:	(212) 529-5688
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	C. TRUE BUILDING CORPORATION C/O ANDREWS BLDG CORP
Owner Address:	666 BROADWAY 12 FLOOR
Owner City,St,Zip:	NEW YORK, NY 10012
Federal ID:	Not reported
Owner Tel:	(212) 529-5688
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	C. TRUE BUILDING CORP. C/O ANDREWS BLDG. CORP/
Mailing Address:	666 BROADWAY 12 FLOOR
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10012
Mailing Telephone:	(212) 529-5688
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/16/2001
Expiration:	11/19/2006
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

C. TRUE BUILDING CORPORATION (Continued) **U003396844**

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	01
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	04
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

D72 **C TRUE BLDG CORP** **NY LTANKS** **S106702922**
ENE **465 GREENWICH ST** **N/A**
< 1/8 **NEW YORK, NY**
0.057 mi.
302 ft. **Site 8 of 13 in cluster D**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	128028
Spill Number/Closed Date:	0100787 / 7/14/2003
Spill Date:	4/20/2001
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	4/20/2001
CID:	323
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/20/2001
Spill Record Last Update:	7/14/2003
Spiller Name:	EUGENE ANDREWS
Spiller Company:	C TRUE BLDG CORP

C TRUE BLDG CORP (Continued) **S106702922**

Spiller Address:	465 GREENWICH ST
Spiller City,St,Zip:	NEW YORK, ZZ
Spiller County:	001
Spiller Contact:	EUGENE ANDREWS
Spiller Phone:	(212) 529-5688
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	110484
DEC Memo:	Not reported
Remarks:	ABOVE GROUND TANK IN A VAULT. POSS BAD VENT LINE.

Material:

Site ID:	128028
Operable Unit ID:	837689
Operable Unit:	01
Material ID:	536498
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	128028
Spill Tank Test:	1526239
Tank Number:	1
Tank Size:	5000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

C73 **CON EDISON SERVICE BOX: 37943** **RCRA-CESQG 1016149195**
SSW **84 LAIGHT ST** **FINDS NYP004278560**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.057 mi.
303 ft. **Site 3 of 5 in cluster C**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	11/18/2012
Facility name:	CON EDISON SERVICE BOX: 37943
Facility address:	84 LAIGHT ST NEW YORK, NY 10013
EPA ID:	NYP004278560
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported

CON EDISON SERVICE BOX: 37943 (Continued) **1016149195**

Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055466561

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004278560
Country: USA
Location Address 1: 84 LAIGHT ST
Location Address 2: Not reported
Location City: NEW YORK

CON EDISON SERVICE BOX: 37943 (Continued) **1016149195**

Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 11/18/2012
Trans1 Recv Date: 11/18/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/21/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004278560
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 010456773JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H111

C74 **CON EDISON SERVICE BOX: 37943** **RCRA-CESQG** **1016149295**
SSW **88 LAIGHT ST FRONT OF** **NY MANIFEST** **NYP004279584**
< 1/8 **NEW YORK, NY 10004**
0.059 mi.
309 ft. **Site 4 of 5 in cluster C**

Relative:
Lower

Actual:
5 ft.

RCRA-CESQG:

Date form received by agency:	12/04/2012
Facility name:	CON EDISON SERVICE BOX: 37943
Facility address:	88 LAIGHT ST FRONT OF NEW YORK, NY 10004
EPA ID:	NYP004279584
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	BENJAMIN BAMONTE
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 894-9549
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004279584
Country:	USA

CON EDISON SERVICE BOX: 37943 (Continued) **1016149295**

Location Address 1: 88 LAIGHT ST
Location Address 2: SERV BOX 37943
Location City: NEW YORK
Location State: NY
Location Zip Code: 10004
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 12/04/2012
Trans1 Recv Date: 12/04/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/07/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004279584
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 200.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2012
Manifest Tracking Num: 010840216JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H111

C75 SSW < 1/8 0.059 mi. 309 ft. **CON EDISON SERVICE BOX: 37943**
88 LAIGHT ST FRONT OF
NEW YORK, NY 10013

RCRA-CESQG **1016149860**
NY MANIFEST **NYP004285268**

Site 5 of 5 in cluster C

Relative: Lower

Actual: 5 ft.

RCRA-CESQG:

Date form received by agency:	01/24/2013
Facility name:	CON EDISON SERVICE BOX: 37943
Facility address:	88 LAIGHT ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004285268
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004285268
Country:	USA

CON EDISON SERVICE BOX: 37943 (Continued) **1016149860**

Location Address 1: F/O 88 LAIGHT ST
Location Address 2: SERV BOX 37943
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/24/2013
Trans1 Recv Date: 01/24/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/25/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004285268
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 400
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010846368JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

F76 **CONSOLIDATED EDISON** **NY MANIFEST** **1009234192**
South **399 WASHINGTON STREET** **N/A**
< 1/8 **NEW YORK, NY 10003**
0.062 mi.
329 ft. **Site 2 of 10 in cluster F**

Relative:
Higher

Actual:
9 ft.

NY MANIFEST:

EPA ID:	NYP000926634
Country:	USA
Location Address 1:	399 WASHINGTON STREET
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10003
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CONSOLIDATED EDISON
Contact:	FRANKLIN MURRAY
Address:	4 IRVING PLACE RM 828
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-2808

Manifest:

Document ID:	NYB8049177
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYPD1011
Trans2 State ID:	Not reported
Generator Ship Date:	07/27/1996
Trans1 Recv Date:	07/27/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/27/1996
Part A Recv Date:	/ /
Part B Recv Date:	08/30/1996
Generator EPA ID:	NYP000926634
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	10000
Units:	P - Pounds
Number of Containers:	050
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	1996

Document ID:	NYB8049231
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NYPD1010
Trans2 State ID:	Not reported
Generator Ship Date:	07/30/1996
Trans1 Recv Date:	07/30/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/30/1996
Part A Recv Date:	08/23/1996

CONSOLIDATED EDISON (Continued) **1009234192**

Part B Recv Date:	08/30/1996
Generator EPA ID:	NYP000926634
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	04400
Units:	P - Pounds
Number of Containers:	022
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	100
Year:	1996

D77 **MANHATTAN 36283** **NY Spills** **S104194187**
NE **WATTS ST/GREENWICH ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.062 mi.
330 ft. **Site 9 of 13 in cluster D**

Relative:
Higher

Actual:
10 ft.

SPILLS:

Facility ID:	9906043
Facility Type:	ER
DER Facility ID:	89488
Site ID:	100909
DEC Region:	2
Spill Date:	8/19/1999
Spill Number/Closed Date:	9906043 / 2/3/2004
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	8/19/1999
CID:	246
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/19/1999
Spill Record Last Update:	2/3/2004
Spiller Name:	JOE DEVOTI
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	NEW YORK, NY 10003
Spiller Company:	001
Contact Name:	JOE DEVOTI
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"e2mis no. 127329:FOUND 1-GALLON OF DIELECTRIC CABLE FLUID WITH 1-GALLON OF WATER IN M36283. AS PER CONDUIT PLATES, THERE IS A SEWER CONNECTION. SAMPLE TAKEN. LAB SEQ.#99-08733AROCLOR 1254 PCB 27

MANHOLE 36283 (Continued) **S104194187**

Remarks: PPM2/3/00 21:30 hrs. clean up complete in MH - 36283. No water found in structure. Used flush truck with slix to clean & rinse structure. dielectric fluid from cable at location leaked 1 gal of material into manhole - 1 gal of water present also - sample taken cleanup pending lab results #127329

Material:
- Site ID: 100909
- Operable Unit ID: 1084478
- Operable Unit: 01
- Material ID: 302316
- Material Code: 0541A
- Material Name: DIELECTRIC FLUID
- Case No.: Not reported
- Material FA: Petroleum
- Quantity: 1
- Units: Gallons
- Recovered: No
- Resource Affected: Not reported
- Oxygenate: False

Tank Test:

F78 **LOT 14,TAXBLOCK 217** **NY E DESIGNATION** **S110670141**
South **401 WASHINGTON STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.063 mi.
331 ft. **Site 3 of 10 in cluster F**

Relative:
Higher

Actual:
9 ft.

E DESIGNATION:
- Tax Lot(s): 14
- Tax Block: 217
- Borough Code: MN
- E-No: E-257
- Effective Date: 10/13/2010
- Satisfaction Date: Not reported
- Ceqr Number: 10DCP039M
- Ulurp Number: 100369ZMM
- Zoning Map No: 12a

Description: Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date: Not reported

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

Description: Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date: Not reported

F79 **HELLER & USDAN INC** **NY AST** **U004047082**
South **401 WASHINGTON STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.063 mi.
331 ft. **Site 4 of 10 in cluster F**

Relative:
Higher

Actual:
9 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-284343
Program Type:	PBS
UTM X:	583633.26425999997
UTM Y:	4508730.3160800003
Expiration Date:	07/14/1997
Site Type:	Other

Affiliation Records:

Site Id:	12595
Affiliation Type:	Facility Owner
Company Name:	HELLER & USDAN INC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	401 WASHINGTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 966-0501
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12595
Affiliation Type:	Mail Contact
Company Name:	HELLER & USDAN INC
Contact Type:	Not reported
Contact Name:	MICHAEL F. HANLEY
Address1:	401 WASHINGTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 966-0501
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12595
Affiliation Type:	On-Site Operator
Company Name:	HELLER & USDAN INC
Contact Type:	Not reported
Contact Name:	EAGLE TRANSFER CORP
Address1:	Not reported
Address2:	Not reported
City:	Not reported

HELLER & USDAN INC (Continued) **U004047082**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-0501
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12595
Affiliation Type:	Emergency Contact
Company Name:	HELLER & USDAN INC
Contact Type:	Not reported
Contact Name:	HELLER & USDAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-0501
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	14985
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
A01 - Tank Internal Protection - Epoxy Liner
J02 - Dispenser - Suction Dispenser
B05 - Tank External Protection - Jacketed
C03 - Pipe Location - Aboveground/Underground Combination
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/15/2000
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004

HELLER & USDAN INC (Continued) **U004047082**

Material Name: #2 Fuel Oil (On-Site Consumption)

B80 **CON EDISON SERVICE BOX: 37946** **RCRA-CESQG** **1016149874**
SSE **69 LAIGHT ST FRONT OF** **FINDS** **NYP004285409**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.063 mi.
333 ft. **Site 20 of 21 in cluster B**

Relative: Higher

Actual: 10 ft.

RCRA-CESQG:

Date form received by agency:	01/25/2013
Facility name:	CON EDISON SERVICE BOX: 37946
Facility address:	69 LAIGHT ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004285409
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

CON EDISON SERVICE BOX: 37946 (Continued) **1016149874**

FINDS:

Registry ID: 110055423901

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004285409
Country:	USA
Location Address 1:	69 LAIGHT ST
Location Address 2:	SERV BOX 37946
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/25/2013
Trans1 Recv Date:	01/25/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285409
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	300
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707288JJK

CON EDISON SERVICE BOX: 37946 (Continued) **1016149874**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

F81 **CON EDISON - VAULT SUBMERSIBLE 3401** **RCRA-LQG** **1016967079**
South **398 WASHINGTON ST** **NY MANIFEST** **NYP004403168**
< 1/8 **NEW YORK, NY 10013**
0.063 mi.
334 ft. **Site 5 of 10 in cluster F**

Relative:
Higher

Actual:
9 ft.

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - VAULT SUBMERSIBLE 3401
Facility address:	398 WASHINGTON ST NEW YORK, NY 10013
EPA ID:	NYP004403168
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2757
Contact email:	HUACOND@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/10/2013
Owner/Op end date:	Not reported

CON EDISON - VAULT SUBMERSIBLE 3401 (Continued) **1016967079**

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/10/2013
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004403168
Country: USA
Location Address 1: F/O 398 WASHINGTON ST
Location Address 2: SB3401
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PLACE
Address 2: 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: Not reported

NY MANIFEST:
No Manifest Records Available

F82 **399 WASHINGTON STREET** **NY Spills** **S102240496**
South **399 WASHINGTON STREET** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.063 mi.
334 ft. **Site 6 of 10 in cluster F**

Relative:
Higher

Actual:
9 ft.

SPILLS:

Facility ID:	9605125
Facility Type:	ER
DER Facility ID:	101460
Site ID:	116622
DEC Region:	2
Spill Date:	7/18/1996
Spill Number/Closed Date:	9605125 / 7/31/1997
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. (Highly Improbable)
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	7/19/1996
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/19/1996
Spill Record Last Update:	8/7/1997
Spiller Name:	TIM SOILCH
Spiller Company:	CON EDISON
Spiller Address:	4 IRVING PLACE
Spiller City,St,Zip:	MANHATTAN, NY 10003
Spiller Company:	001
Contact Name:	RECIDENCE 5 FAMILY APTS
Contact Phone:	Not reported
DEC Memo:	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
Remarks:	lead was released into the air at an apt buildinga underground service line going into the building was damaged the cable burnedand released the lead from the soot caused by the fire.

Material:

Tank Test:

F83 **CON EDISON MANHOLE: 55309** **RCRA NonGen / NLR** **1016971357**
South **397 WASHINGTON ST** **NY MANIFEST** **NYP004450961**
< 1/8 **NEW YORK, NY 10013**
0.064 mi.
338 ft. **Site 7 of 10 in cluster F**

Relative:
Higher

Actual:
9 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/25/2014
Facility name:	CON EDISON MANHOLE: 55309
Facility address:	397 WASHINGTON ST NEW YORK, NY 10013
EPA ID:	NYP004450961
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/25/2014
Site name:	CON EDISON MANHOLE: 55309
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004450961
Country:	USA
Location Address 1:	F/O 397 WASHINGTON ST
Location Address 2:	SB55309
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

CON EDISON MANHOLE: 55309 (Continued) **1016971357**

Name:	CON EDISON
Contact:	CON EDISION
Address:	4 IRVING PL
Address 2:	15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/25/2014
Trans1 Recv Date:	02/25/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/28/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004450961
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	2000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002329978GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

F84 **LOT 17,TAXBLOCK 217** **NY E DESIGNATION** **S110670162**
SSE **422 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.073 mi.
387 ft. **Site 8 of 10 in cluster F**

Relative:
Higher

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	17
Tax Block:	217
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010

LOT 17,TAXBLOCK 217 (Continued) **S110670162**

Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

F85 **PARKING GARAGE TTF** **NY LTANKS** **S111738849**
SSE **422 GREENWICH ST** **N/A**
< 1/8 **NEW YORK, NY**
0.073 mi.
387 ft. **Site 9 of 10 in cluster F**

Relative:
Higher

Actual:
11 ft.

LTANKS:

Site ID:	461247
Spill Number/Closed Date:	1113267 / Not Reported
Spill Date:	2/22/2012
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	VXBREVDO
Referred To:	Not reported
Reported to Dept:	2/22/2012
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	2/22/2012
Spill Record Last Update:	9/17/2013
Spiller Name:	Not reported
Spiller Company:	TANK TEST FAILURE
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	GEORGE ORISN
Spiller Phone:	(917) 821-4006
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	415701
DEC Memo:	As of 5/30/2012 ATS never heard back from client about followup work 5/31/2012 TTF Letter sent to owner: (copy sent to both addresses)71 Laight Street LLC12 East 46th StNew York, NY 10017-2418Alternate address:71 Laight Street LLCc/o Arranz Acinas - USA274 Madison Ave -Suite 801NY, NY 1001671 Laight Street LLC seems to be a Spanish

PARKING GARAGE TTF (Continued) **S111738849**

corporation that bought this site and the property next door in the hopes of constructing a large apartment building. Unknown if the owner is currently operating this garage until this construction is approved and takes place. Check Google for "71 Laight Street LLC"6/22/2012 Sangesland got a voice message from Dan McInerney VP of Taconic Investment Partners (212-704-3848) asking questions about this TTF and open spill case. Sangesland returned a message to his voicemail.6/12/13 On 6/10/13, received voice mail message from Chris McMahon of Langan Engineering. 201-398-4535. They will be removing the tank tomorrow. Today, I called Mr. McMahon back and left a voice mail to return my call. bf07/16/13 - Spill Case is transferred from Brian Falvey (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision - Tank Test Failure Spill Case. VB09/16/2013 - V. BrevdoCalled Steven A. Ciambruschini of Langan (201) 794 6900 and informed him that NYSDEC never received a remedial action work plan that was submitted to NYCOER. This is E-designated project. Mr. Ciambruschini took my phone and e-mail and stated he will send me RAP and other milestone documents concerning this project.09/17/2013 - V. BrevdoE-mail from OER in response to my inquiry about the project documents.Moore, Hannah" HMoore@dep.nyc.gov 9/17/2013 8:39 AMHi Vadim,I spoke with Chris McMahon from Langan about this Site yesterday. He says that the tank has been removed and that they got clean endpoint samples. I asked him to share this information with both of us. I've also requested that he submit the daily reports that he owes me from the Site, since I have not been receiving them since the end of June.OER approved the RAP on this Site prior to their discovery of the tank test failure, which I believe explains why this wasn't coordinated on the front end.If there is anything else you need from me or if Langan doesn't get you the documents, please let me know. Best,HannahHannah MooreProject ManagerNYC Office of Environmental RemediationHMoore@dep.nyc.gov(212) 442-637209/17/2013 - V. BrevdoE-mail to NYCOER Hi, Hanna, Thank you very much for the project related information. I will continue communicating with Langan and OER regarding spill related issues of this project. When Langan recommends closure of this spill case I will inform you and coordinate spill closure decision with you. Thank you for your help on this matter. Vadim

Remarks: reccomend isolation or removal

Material:

Site ID:	461247
Operable Unit ID:	1211339
Operable Unit:	01
Material ID:	2209071
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

D86 **BRIDGE LAND WEST LLC PFL** **RCRA NonGen / NLR** **1016144482**
NNE **460 WASHINGTON ST** **FINDS** **NYR000200642**
< 1/8 **NEW YORK, NY 10023** **NY MANIFEST**
0.074 mi.
389 ft. **Site 10 of 13 in cluster D**

Relative:
Higher

Actual:
7 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/07/2014
Facility name:	BRIDGE LAND WEST LLC PFL
Facility address:	460 WASHINGTON ST NEW YORK, NY 10023
EPA ID:	NYR000200642
Mailing address:	COLUMBUS CIR NEW YORK, NY 10023
Contact:	BRYAN CHO
Contact address:	COLUMBUS CIR NEW YORK, NY 10023
Contact country:	US
Contact telephone:	(212) 801-1145
Contact email:	BCHO@RELATED.COM
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code: D008
. Waste name: LEAD

Historical Generators:

Date form received by agency:	03/17/2014
Site name:	BRIDGE LAND WEST LLC PFL
Classification:	Not a generator, verified

. Waste code: D008
. Waste name: LEAD

Date form received by agency:	03/11/2014
Site name:	BRIDGE LAND WEST LLC P F L
Classification:	Large Quantity Generator

. Waste code: D008
. Waste name: LEAD

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Date form received by agency: 05/31/2013
Site name: BRIDGE LAND WEST LLC PFL
Classification: Large Quantity Generator

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110055471029

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:
EPA ID: NYR000200642
Country: USA
Location Address 1: 460 WASHINGTON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: BRIDGE LAND WEST LLC
Contact: BRIDGE LAND WEST LLC
Address: 60 COLUMBUS CIRCLE
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 610-360-4533

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJR000029967
Trans2 State ID: Not reported
Generator Ship Date: 10/28/2013
Trans1 Recv Date: 10/28/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/28/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000200642
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54800
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147415JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/25/2013
Trans1 Recv Date:	10/25/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/25/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54240
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147445JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54800
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147417JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54440
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Year:	2013
Manifest Tracking Num:	011147418JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54800
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147419JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54600
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147420JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54580
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147421JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	11/04/2013
Trans1 Recv Date:	11/04/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/04/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	53340
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147422JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	11/04/2013
Trans1 Recv Date:	11/04/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/04/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	52880
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147423JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	11/04/2013
Trans1 Recv Date:	11/04/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/04/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54200
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147424JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Mgmt Method Type Code: H110

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJR000029967
Trans2 State ID: Not reported
Generator Ship Date: 10/28/2013
Trans1 Recv Date: 10/28/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/28/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000200642
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 57640
Units: P - Pounds
Number of Containers: 1
Container Type: DT - Dump trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 011147426JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: Y
Discr Type Ind: Y
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJR000029967
Trans2 State ID: Not reported
Generator Ship Date: 10/28/2013
Trans1 Recv Date: 10/28/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/28/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000200642
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 55000
Units: P - Pounds
Number of Containers: 1

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147427JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	57360
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147428JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	56440
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147429JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	61300
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147430JJK
Import Ind:	N

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	56500
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147431JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/25/2013
Trans1 Recv Date:	10/25/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/25/2013
Part A Recv Date:	Not reported

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	52340
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147432JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/25/2013
Trans1 Recv Date:	10/25/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/25/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	54360
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147433JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/25/2013
Trans1 Recv Date:	10/25/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/25/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	52660
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147434JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000029967
Trans2 State ID:	Not reported
Generator Ship Date:	10/28/2013
Trans1 Recv Date:	10/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000200642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported

BRIDGE LAND WEST LLC PFL (Continued) **1016144482**

Quantity:	56380
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011147436JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

G87 **LOT 4,TAXBLOCK 225** **NY E DESIGNATION** **S110670314**
ENE **123 WATTS STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.075 mi.
394 ft. **Site 1 of 27 in cluster G**

Relative:
Higher

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	4
Tax Block:	225
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

G88 **MANHATTAN AUTO DIAGNOSTIC CTR.** **NY UST** **U003764769**
ENE **124 WATTS STREET** **NY HIST UST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.075 mi.
394 ft. **Site 2 of 27 in cluster G**

Relative:
Higher

Actual:
11 ft.

UST:

Id/Status:	2-604963 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	01/08/2006
UTM X:	583706.50560999999

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

UTM Y: 4508609.6885200003
Site Type: Retail Gasoline Sales

Affiliation Records:

Site Id: 26832
Affiliation Type: Facility Owner
Company Name: GEORGE & BARBRA GELLERT
Contact Type: Not reported
Contact Name: Not reported
Address1: 152 WEST 57TH STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10019
Country Code: 001
Phone: (212) 581-8000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 26832
Affiliation Type: Mail Contact
Company Name: % BELVEDERE CAPITAL CORP.
Contact Type: Not reported
Contact Name: GEORGE & BARBARA GELLERT
Address1: 152 WEST 57TH STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10019
Country Code: 001
Phone: (212) 581-8000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 26832
Affiliation Type: On-Site Operator
Company Name: MANHATTAN AUTO DIAGNOSTIC CTR.
Contact Type: Not reported
Contact Name: NONE
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: Not reported
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 26832
Affiliation Type: Emergency Contact
Company Name: GEORGE & BARBRA GELLERT

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

Contact Type:	Not reported
Contact Name:	CHARLES E. STEWART
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 753-6500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	59254
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	10/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None

Tank Number:	002
Tank ID:	59255
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	10/01/2000
Registered:	True
Tank Location:	Underground

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None

Tank Number: 003
Tank ID: 59256
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None

Tank Number: 004
Tank ID: 59257
Tank Status: Closed - Removed

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None

Tank Number: 005
Tank ID: 59258
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

B00 - Tank External Protection - None

Tank Number: 006
Tank ID: 59259
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-604963
SPDES Number: Not reported
Emergency Contact: CHARLES E. STEWART
Emergency Telephone: (516) 753-6500
Operator: NONE
Operator Telephone: (000) 000-0000
Owner Name: GEORGE & BARBRA GELLERT
Owner Address: 152 WEST 57TH STREET
Owner City,St,Zip: NEW YORK, NY 10019
Owner Telephone: (212) 581-8000
Owner Type: Private Resident
Owner Subtype: Not reported
Mailing Name: % BELVEDERE CAPITAL CORP.
Mailing Address: 152 WEST 57TH STREET
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10019
Mailing Contact: GEORGE & BARBARA GELLERT
Mailing Telephone: (212) 581-8000
Owner Mark: First Owner
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2: Not reported

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	01/08/2006
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 10/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 003
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: Underground
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 10/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 004
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	Underground
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U003764769**

Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

G89 **EDR US Hist Auto Stat** **1015190711**
ENE **124 WATTS ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.075 mi.
394 ft. **Site 3 of 27 in cluster G**

Relative:
Higher

Actual:
11 ft.

EDR Historical Auto Stations:

Name:	AUTOMOTIVE TECHNOLOGY OF CANAL
Year:	1999
Address:	124 WATTS ST
Name:	AUTOMOTIVE TECHNOLOGY OF CANAL
Year:	2000
Address:	124 WATTS ST
Name:	DR NESS AUTO SHOP
Year:	2001
Address:	124 WATTS ST
Name:	AUTOMOTIVE TECHNOLOGY OF CANAL
Year:	2002
Address:	124 WATTS ST
Name:	DR NESS AUTO SHOP
Year:	2003
Address:	124 WATTS ST
Name:	VAN NESS AUTO SHOP
Year:	2010
Address:	124 WATTS ST

B90 **CON EDISON SERVICE BOX: 47512** **RCRA-CESQG** **1016149841**
ESE **40 VESTRY ST** **FINDS** **NYP004285078**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.077 mi.
408 ft. **Site 21 of 21 in cluster B**

Relative:
Higher

Actual:
11 ft.

RCRA-CESQG:

Date form received by agency:	01/24/2013
Facility name:	CON EDISON SERVICE BOX: 47512
Facility address:	40 VESTRY ST NEW YORK, NY 10013

CON EDISON SERVICE BOX: 47512 (Continued) **1016149841**

EPA ID: NYP004285078
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055420673

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CON EDISON SERVICE BOX: 47512 (Continued) **1016149841**

NY MANIFEST:

EPA ID:	NYP004285078
Country:	USA
Location Address 1:	40 VESTRY ST
Location Address 2:	SERV BOX 47512
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2013
Trans1 Recv Date:	01/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285078
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707058JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

D91 **EDR US Hist Auto Stat** **1015511719**
NE **473 GREENWICH ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.078 mi.
411 ft. **Site 11 of 13 in cluster D**

Relative: **Higher**

Actual: **10 ft.**

EDR Historical Auto Stations:

Name:	BUDGET AUTOMOTIVE INCORPORATED
Year:	2000
Address:	473 GREENWICH ST

H92 **LOT 7503,TAXBLOCK 217** **NY E DESIGNATION** **S117676576**
SSW **250 WEST STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.080 mi.
423 ft. **Site 1 of 4 in cluster H**

Relative: **Lower**

Actual: **4 ft.**

E DESIGNATION:

Tax Lot(s):	7503
Tax Block:	217
Borough Code:	MN
E-No:	E-162
Effective Date:	9/13/2006
Satisfaction Date:	Not reported
Ceqr Number:	06DCP067M
Ulurp Number:	040543ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

E93 **EDR US Hist Auto Stat** **1015392027**
NNW **290 WEST ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.082 mi.
431 ft. **Site 2 of 4 in cluster E**

Relative: **Lower**

Actual: **3 ft.**

EDR Historical Auto Stations:

Name:	WESTSIDE HIGHWAY MOBILE INC
Year:	2002
Address:	290 WEST ST
Name:	WESTSIDE HIGHWAY MOBILE INC
Year:	2003
Address:	290 WEST ST
Name:	WESTSIDE HIGHWAY MOBILE INC
Year:	2004
Address:	290 WEST ST
Name:	WESTSIDE HIGHWAY MOBILE INC
Year:	2006
Address:	290 WEST ST
Name:	MOBILE GAS STATION

(Continued) **1015392027**

Year: 2007
Address: 290 WEST ST

Name: 290 WEST STREET STATION INC
Year: 2008
Address: 290 WEST ST

Name: 290 WEST STREET STATION INC
Year: 2009
Address: 290 WEST ST

Name: WESTSIDE HIGHWAY MOBIL INC
Year: 2010
Address: 290 WEST ST

G94 **FRATELLI BRANCA & CO INC** **RCRA NonGen / NLR** **1000400142**
East **12 DEBROSSES ST** **FINDS** **NYD001583483**
< 1/8 **NEW YORK, NY 10013**
0.082 mi.
434 ft. **Site 4 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: FRATELLI BRANCA & CO INC
Facility address: 12 DEBROSSES ST
NEW YORK, NY 10013
EPA ID: NYD001583483
Mailing address: DEBROSSES ST
NEW YORK, NY 10013
Contact: DAVID MENKEN
Contact address: DEBROSSES ST
NEW YORK, NY 10013
Contact country: US
Contact telephone: (212) 980-3500
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner

FRATELLI BRANCA & CO INC (Continued) **1000400142**

Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FRATELLI BRANCA & CO INC
Classification: Not a generator, verified

Date form received by agency: 10/21/1985
Site name: FRATELLI BRANCA & CO INC
Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: X003
. Waste name: OTHER STATE REGULATED WASTES [i.e., DIESEL FUEL, GASOLINE AND HOME HEATING OIL]

Violation Status: No violations found

FINDS:

Registry ID: 110004335540

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

G95 **FRATELLI BRANCA AND CO** **NY LTANKS** **S102673324**
East **115 WATT ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.082 mi.
434 ft. **Site 5 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

LTANKS:

Site ID:	136842
Spill Number/Closed Date:	9516292 / 3/19/1996
Spill Date:	3/19/1996
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	3/19/1996
CID:	349
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/19/1996
Spill Record Last Update:	4/2/1996
Spiller Name:	SAM SOLA
Spiller Company:	PETRO ASTORIA
Spiller Address:	36-16 19 AVE
Spiller City,St,Zip:	ASTORIA, NY 11105-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	(212) 925-7527
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	117087
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	DRIVER OVERFILLED TANK - CLEANED UP

Material:

Site ID:	136842
Operable Unit ID:	1027266
Operable Unit:	01
Material ID:	352818
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

FRATELLI BRANCA AND CO (Continued) **S102673324**

Tank Test:

H96 **34 HERBERT STREET ASSOCIATES** **NY MANIFEST** **1009232665**
SSW **250 WEST ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.084 mi.
444 ft. **Site 2 of 4 in cluster H**

Relative:
Lower

Actual:
3 ft.

NY MANIFEST:

EPA ID:	NYP000886309
Country:	USA
Location Address 1:	250 WEST ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	34 HERBERT STREET ASSOCIATES
Contact:	N/S
Address:	250 WEST ST
City/State/Zip:	NEW YORK, NY 10013
Country:	USA
Phone:	212-941-0440

Manifest:

Document ID:	NJA0570996
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWAS300
Trans2 State ID:	Not reported
Generator Ship Date:	03/02/1989
Trans1 Recv Date:	03/02/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/02/1989
Part A Recv Date:	04/25/1989
Part B Recv Date:	03/16/1989
Generator EPA ID:	NYP000886309
Trans1 EPA ID:	NJD991291105
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	X910 - NJ UNKNOWN
Quantity:	00800
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	F003 - UNKNOWN
Quantity:	00900
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

34 HERBERT STREET ASSOCIATES (Continued) **1009232665**

Year: 1989

I97 **12 DESBROSSES ST/MANH** **NY Spills** **S102142197**
East **12 DESBROSSES STREET** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.084 mi.
446 ft. **Site 1 of 16 in cluster I**

Relative:
Higher

Actual:
12 ft.

SPILLS:

Facility ID:	8912164
Facility Type:	ER
DER Facility ID:	73678
Site ID:	79255
DEC Region:	2
Spill Date:	3/22/1990
Spill Number/Closed Date:	8912164 / 6/20/1995
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	FINGER
Referred To:	Not reported
Reported to Dept:	3/22/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	6/20/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/2/1990
Spill Record Last Update:	6/20/1995
Spiller Name:	Not reported
Spiller Company:	FEATELLI, BRANCA & CO.
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	OVERORDERED, TANK OVERFILL, SPILL CONTAINED ON CONCRETE FLOOR, DRY SORBENT USED, SPILL TEAM CLEANING UP, PETRO HEAT & POWER SUGGESTED TO OWNER TO PUT IN ALARM SYSTEM.

Material:

Site ID:	79255
Operable Unit ID:	938990
Operable Unit:	01
Material ID:	441639
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	35
Units:	Gallons

12 DESBROSSES ST/MANH (Continued) **S102142197**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

E98 **SPILL NUMBER 0005811** **NY Spills** **S104788435**
NNW **WEST ST/WATT ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.084 mi.
446 ft. **Site 3 of 4 in cluster E**

Relative:
Lower

Actual:
3 ft.

SPILLS:
Facility ID: 0005811
Facility Type: ER
DER Facility ID: 138992
Site ID: 164871
DEC Region: 2
Spill Date: 8/15/2000
Spill Number/Closed Date: 0005811 / 2/11/2004
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 3101
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 8/15/2000
CID: 281
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Affected Persons
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 8/15/2000
Spill Record Last Update: 2/11/2004
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: ZZ -
Spiller Company: 001
Contact Name: TONY LOPEZ
Contact Phone: (212) 580-6764
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"8/16/00Con 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

SPILL NUMBER 0005811 (Continued) **S104788435**

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 <1.00 ppm in sewer excavation soil loc.n/s watts st & west st.

Remarks: SOIL CONTAMINATION DISCOVERED AT ABOVE LOCATION. SAMPLE OF SOILTO BE TAKEN AND CLEANUP IS PENDING RESULTS. CON ED # 132879.NO CALL BACK REQUESTED.

Material:

Site ID:	164871
Operable Unit ID:	826791
Operable Unit:	01
Material ID:	546954
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

I99 **DIGITAL DIRIGIBLE** **RCRA NonGen / NLR** **1008374415**
ESE **38 VESTRY ST** **NYN008014474**
< 1/8 **NEW YORK, NY 10013**
0.085 mi.
448 ft. **Site 2 of 16 in cluster I**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	DIGITAL DIRIGIBLE
Facility address:	38 VESTRY ST NEW YORK, NY 10013
EPA ID:	NYN008014474
Contact:	SUSANNE JANSSON
Contact address:	Not reported NY
Contact country:	US
Contact telephone:	(212) 431-1925
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

DIGITAL DIRIGIBLE (Continued) **1008374415**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: DIGITAL DIRIGIBLE
Classification: Not a generator, verified

Date form received by agency: 04/02/2004
Site name: DIGITAL DIRIGIBLE
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

I100 **SPILL NUMBER 9713269** **NY Spills** **S104646728**
ESE **35 VESTRY ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.085 mi.
450 ft. **Site 3 of 16 in cluster I**

Relative:
Higher

Actual:
12 ft.

SPILLS:
Facility ID: 9713269
Facility Type: ER
DER Facility ID: 246528
Site ID: 305183
DEC Region: 2
Spill Date: 2/27/1998
Spill Number/Closed Date: 9713269 / 2/27/1998
Spill Cause: Deliberate
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 3101
Investigator: SMMARTIN
Referred To: Not reported
Reported to Dept: 2/27/1998
CID: 312
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Local Agency
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2/27/1998
Spill Record Last Update: 3/2/1998
Spiller Name: Not reported
Spiller Company: UNK CONSTRUCTION CO
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller Company: 001

SPILL NUMBER 9713269 (Continued) **S104646728**

Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"FAX TO ECS.
Remarks: construction crew washing cement products into sewer - on going problem

Material:
Site ID: 305183
Operable Unit ID: 1059295
Operable Unit: 01
Material ID: 324286
Material Code: 0082A
Material Name: CEMENT PRODUCTS
Case No.: Not reported
Material FA: Other
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

E101 **IFO 596 CANAL ST** **NY Spills** **S102663546**
NNW **IFO 596 CANAL ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.089 mi.
468 ft. **Site 4 of 4 in cluster E**

Relative:
Lower

Actual:
1 ft.

SPILLS:
Facility ID: 9706439
Facility Type: ER
DER Facility ID: 171075
Site ID: 206011
DEC Region: 2
Spill Date: 8/27/1997
Spill Number/Closed Date: 9706439 / 10/24/2007
Spill Cause: Unknown
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 3101
Investigator: qxabidi
Referred To: Not reported
Reported to Dept: 8/27/1997
CID: 211
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 8/27/1997
Spill Record Last Update: 10/24/2007

IFO 596 CANAL ST (Continued) **S102663546**

Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	JIM WEINGARTNER
Contact Phone:	(212) 340-9750
DEC Memo:	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. -QA12/21/06: 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. -QA03/05/07: Called Mr. Axel at (646)388-9529 left message to call me back regarding information of spill. -QA04/03/07: 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. -QA04/10/07: 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. -QA07/06/07: 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. -QA09/14/07: I called Mr. Axel to discuss regarding excavation of the soil, waste Manifest Reports and waste charaterization sample report. -QA10/24/07: 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
Remarks:	CALLER WAS DRILLING IN STREET AND FOUND SOIL CONTAMINATION - CALLER REPORTS THERE IS A GAS STATION ACROSS THE STREET FROM WORK SITE

Material:

Site ID:	206011
Operable Unit ID:	1052651
Operable Unit:	01
Material ID:	332023
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

IFO 596 CANAL ST (Continued) **S102663546**

Tank Test:

D102 **CON EDISON SERVICE BOX: 49065** **RCRA-CESQG** **1016149843**
NNE **463 WASHINGTON ST** **FINDS** **NYP004285094**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.089 mi.
471 ft. **Site 12 of 13 in cluster D**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/24/2013
Facility name:	CON EDISON SERVICE BOX: 49065
Facility address:	463 WASHINGTON ST NEW YORK, NY 10013
EPA ID:	NYP004285094
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON EDISON SERVICE BOX: 49065 (Continued) **1016149843**

Violation Status: No violations found

FINDS:

Registry ID: 110055420682

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004285094
Country:	USA
Location Address 1:	463 WASHINGTON ST
Location Address 2:	SERV BOX 49065
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	Not reported
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2013
Trans1 Recv Date:	01/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285094
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	2000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013

CON EDISON SERVICE BOX: 49065 (Continued) **1016149843**

Manifest Tracking Num:	010707060JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

D103 **CON EDISON SERVICE BOX: 49060** **RCRA-CESQG** **1016149842**
NNE **463 WASHINGTON ST OPPOSITE** **NY MANIFEST** **NYP004285086**
< 1/8 **NEW YORK, NY 10013**
0.089 mi.
471 ft. **Site 13 of 13 in cluster D**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/24/2013
Facility name:	CON EDISON SERVICE BOX: 49060
Facility address:	463 WASHINGTON ST OPPOSITE NEW YORK, NY 10013
EPA ID:	NYP004285086
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No

CON EDISON SERVICE BOX: 49060 (Continued) **1016149842**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004285086
Country: USA
Location Address 1: OPP 463 WASHINGTON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/24/2013
Trans1 Recv Date: 01/24/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004285086
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010707059JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N

CON EDISON SERVICE BOX: 49060 (Continued) **1016149842**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

G104 **FRATELLI BRANCA & CO** **RCRA NonGen / NLR** **1004762315**
ENE **115 WATTS ST** **FINDS** **NYR000095695**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.092 mi.
484 ft. **Site 6 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FRATELLI BRANCA & CO
Facility address:	115 WATTS ST NEW YORK, NY 10013
EPA ID:	NYR000095695
Mailing address:	MADISON AVE NEW YORK, NY 10022
Contact:	RICCARDO GORI-MONTANELLI
Contact address:	MADISON AVE NEW YORK, NY 10022
Contact country:	US
Contact telephone:	(212) 508-2303
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	FRATELLI BRANCA & CO
Owner/operator address:	115 WATTS ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 508-2303
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	FRATELLI BRANCA & CO
Owner/operator address:	115 WATTS ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 508-2303
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No

FRATELLI BRANCA & CO (Continued) **1004762315**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Site name:	FRATELLI BRANCA & CO
Classification:	Not a generator, verified

Date form received by agency:	03/29/2001
Site name:	FRATELLI BRANCA & CO
Classification:	Large Quantity Generator

. Waste code:	D000
. Waste name:	Not Defined

Violation Status: No violations found

FINDS:

Registry ID: 110004568076

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000095695
Country:	USA
Location Address 1:	115 WATTS ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10001
Location Zip Code 4:	Not reported

Mailing Info:

Name:	FRATELLI BRANCO & CO
Contact:	VERONICA KERO
Address:	115 WATTS ST
City/State/Zip:	NEW YORK, NY 10001
Country:	USA

FRATELLI BRANCA & CO (Continued) **1004762315**

Phone: 212-508-2303

Manifest:

Document ID: NJA3092935
Manifest Status: Not reported
Trans1 State ID: S50059NJ
Trans2 State ID: Not reported
Generator Ship Date: 04/03/2001
Trans1 Recv Date: 04/03/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/03/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000095695
Trans1 EPA ID: NJD986607380
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00200
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: U020 - BENZENESULFONYL CHLORIDE(C,R)
Quantity: 00300
Units: P - Pounds
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00001
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2001

Document ID: NJA3092934
Manifest Status: Not reported
Trans1 State ID: S50059NJ
Trans2 State ID: Not reported
Generator Ship Date: 04/03/2001
Trans1 Recv Date: 04/03/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/03/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000095695
Trans1 EPA ID: NJD986607380
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: D002 - NON-LISTED CORROSIVE WASTES

FRATELLI BRANCA & CO (Continued) **1004762315**

Quantity:	00030
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

G105 **FRATELLI BRANCA & CO** **NY Spills** **S104501465**
ENE **115 WATTS ST** **N/A**
< 1/8 **NYC, NY**
0.092 mi.
484 ft. **Site 7 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

SPILLS:

Facility ID:	9516699
Facility Type:	ER
DER Facility ID:	246274
Site ID:	304882
DEC Region:	2
Spill Date:	3/27/1996
Spill Number/Closed Date:	9516699 / 3/27/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	LUCE
Referred To:	Not reported
Reported to Dept:	3/27/1996
CID:	349
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/27/1996
Spill Record Last Update:	4/3/1996
Spiller Name:	MARY
Spiller Company:	FRATELLI BRANCA & CO
Spiller Address:	115 WATTS ST
Spiller City,St,Zip:	NYC, NY 11105-
Spiller Company:	001
Contact Name:	MARY
Contact Phone:	(212) 925-7527
DEC Memo:	Not reported
Remarks:	clogged fill line- cleaned up

FRATELLI BRANCA & CO (Continued) **S104501465**

Material:
- Site ID: 304882
- Operable Unit ID: 1027648
- Operable Unit: 01
- Material ID: 353212
- Material Code: 0001A
- Material Name: #2 Fuel Oil
- Case No.: Not reported
- Material FA: Petroleum
- Quantity: 1
- Units: Gallons
- Recovered: Yes
- Resource Affected: Not reported
- Oxygenate: False

Tank Test:

G106 **LOT 6,TAXBLOCK 225** **NY E DESIGNATION** **S110670393**
ENE **115 WATTS STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.092 mi.
484 ft. **Site 8 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

E DESIGNATION:
- Tax Lot(s): 6
- Tax Block: 225
- Borough Code: Not reported
- E-No: E-257
- Effective Date: 10/13/2010
- Satisfaction Date: Not reported
- Ceqr Number: 10DCP039M
- Ulurp Number: 100369ZMM
- Zoning Map No: 12a

- Description: Air Quality - #2 Fuel Oil or #4 Fuel Oil or Natural Gas for HVAC systems
- Lot Remediation Date: Not reported

- Description: Exhaust stack location limitations
- Lot Remediation Date: Not reported

- Description: Hazardous Materials* Phase I and Phase II Testing Protocol
- Lot Remediation Date: Not reported

- Description: Window Wall Attenuation & Alternate Ventilation
- Lot Remediation Date: Not reported

G107 **GAS STATION** **NY Spills** **S106868163**
NE **475 GREENWICH ST.** **N/A**
< 1/8 **MANHATTAN, NY**
0.093 mi.
490 ft. **Site 9 of 27 in cluster G**

Relative:
Higher

Actual:
10 ft.

SPILLS:

Facility ID:	0500657
Facility Type:	ER
DER Facility ID:	290289
Site ID:	343700
DEC Region:	2
Spill Date:	4/15/2005
Spill Number/Closed Date:	0500657 / 6/1/2009
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	ADZHITOM
Referred To:	NFA
Reported to Dept:	4/15/2005
CID:	408
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	4/15/2005
Spill Record Last Update:	6/1/2009
Spiller Name:	MUHANNAD MAHEDE
Spiller Company:	GAS STATION
Spiller Address:	475 GREENICH ST.
Spiller City,St,Zip:	MANHATTEN, NY
Spiller Company:	001
Contact Name:	MUHANNAD MAHEDE
Contact Phone:	(212) 675-3225
DEC Memo:	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 FriedlandGreenwich Tiangle LLC459 Washington StNew York, NY 100134/19/05 - assign to Imdadul Islam to handle. KST5/18/05- 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. - II9/13/05- Received today the

GAS STATION (Continued) **S106868163**

"work plan" for required additional investigation as discussed and outlined in the meeting. It is found OK.- II9/15/05- 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.- II11/1/05- 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 Greenwitch 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. Kolleeny3/2/2006 The spill report was transferred from Jon Kolleeny to Alex Zhitomirsky as per JK/KT e-mail on 3/2/2006. AZ4/4/2006 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. AZ6/26/2006 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. AZ7/24/2006 Chris De Carlo (FLS). They started removing a fill layer. They encountoured 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 incased in concrete but deteriorated. Some water and product we found in the

GAS STATION (Continued) **S106868163**

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. AZ10/19/2006 Left a messsage for Mohamed Ahmed. Soil excavation will start on October 21, 2006. AZ9-10-2007 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. AZ9-11-2007 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."AZ11/2/2007 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."AZ11/19/2007 A "sidewalk letter" was issued upon M. Ahmed and NYC DOT request to expedite wells installation. AZ5--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. AZ5-23-2008 Groundwater map with sampling results was submitted. AZ9-3-2008 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

GAS STATION (Continued) **S106868163**

monitoring. AZ3-18-2009 Reviewed 3rd-4th Quarters Report dated January 26, 2009. Total VOCs ranged from 3.6 ppb in MW-2 to 223 ppb in MW-3. FLS requested closure. I contacted Mohamed Ahmed and requested additional information which would support NFA status request. AZ5-5-2009 3rd and 4th Quarter Reports were revised as DEC's request. The site was historically used as a gasoline station. A seven-story residential building with a partial basement and a residential lobby was was constructed at the site. Reviewed revised 3rd and 4th Quarters Report dated March 18, 2009. Sampling was performed on July 11 and November 7, 2008. In the 3rd quarter VOCs remained in groundwater sample MW-3R but at levels lower than the two previous quarters. Total VOCs detected ranged between 0.78 and 71.78 ppb in MW-3R. No VOCs were detected in MW-1 and MW-2R above Class GA Standard except benzene which was detected in sample MW-1 at 1.3 ppb. No SVOCs were detected in any of the three wells except a trace of naphthalene in MW-3R at 11.6 ppb. Exceedances of ethyl benzene (66 ppb), isopropylbenzene (48 ppb), xylene (20 ppb) and m.p-xylene (17 ppb)were detected during November 2008 sampling event. Total detected gasoline-related VOCs in the groundwater in three wells ranged between 3.6 and 223.8 ppb during the fourth quarter of 2008. According to the Consultants (FLS), quarterly monitoring indicate that most of the dissolved gasoline-related VOCs were remediated. Remediation consisted of the removing UST fields (eleven 550-gallon USTs were removed) and associated piping, fill ports and dispensers. 3,300 tons of petroleum contaminated soil was removed. According to FLS, no VOCs were detected in post excavation samples. Relatively low levels of SVOCs, which appeared to be related to the fill material, were detected in postulation samples. Groundwater bioremediation was performed by applying of 1,325 pounds of Oxygen Release Compound (ORC) to impacted groundwater. A vapor barrier and waterproof membrane were installed. H-beam steel sheeting was installed along Greenwich and Watts Street to a depth of twenty feet below sidewalk (approximately 4 feet below the soil/groundwater interface). The site is entirely surrounded by permanent steel sheeting along Greenwich and Watts Street and by the Holland Tunnel along Canal Street. Monitoring well MW-1 and MW-3R, where gasoline - related VOCs were detected, are located in the sidewalks outside the sheeting line on the side gradient direction of the former tank area. According to FLS, on-site soil is capped by the new building foundation and off-site soil is capped by cement sidewalks and asphalt roads, thus preventing any human health risk of dermal contact with soil or groundwater. Additionally, soil vapor intrusion and inhalation pose no risk due to the presence of an on-site vapors barrier and capped surroundings. It's the opinion of FLS that the trace concentrations of gasoline related VOCs still present in well MW-1 ans MW-3R do not pose a human health risk and, based on the above information, FLS requested a spill closure. AZ 5-11-2009 In a telephone conversation with Mohamed Ahmed I requested additional information regarding the amount of excavated soil and details regarding bioremediation performed. This information was submitted to DEC via e-mail. AZ6-1-1009 The requested information was submitted and e-documented. Based of the information submitted by FLS this spill is closed. An e-mail was sent to FLS. AZ

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.

GAS STATION (Continued) **S106868163**

Material:
Site ID: 343700
Operable Unit ID: 1102382
Operable Unit: 01
Material ID: 582591
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

G108 **475 GREENWICH STREET** **NY UST** **U004109445**
NE **475 GREENWICH STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.093 mi.
490 ft. **Site 10 of 27 in cluster G**

Relative:
Higher

Actual:
10 ft.

UST:
Id/Status: 2-610635 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 08/22/2012
UTM X: 583670.44116000005
UTM Y: 4508656.1534299999
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 386239
Affiliation Type: Facility Owner
Company Name: GREENWICH TRIANGLE III, LLC
Contact Type: Not reported
Contact Name: MATTHEW FELDMAN
Address1: 42-09 235TH STREET
Address2: Not reported
City: DOUGLASTON
State: NY
Zip Code: 11363
Country Code: 001
Phone: (212) 400-9292 204
EMail: Not reported
Fax Number: Not reported
Modified By: DXLIVING
Date Last Modified: 8/22/2007

Site Id: 386239
Affiliation Type: Mail Contact
Company Name: GREENWICH TRIANGLE III, LLC
Contact Type: Not reported
Contact Name: MATTHEW FELDMAN

475 GREENWICH STREET (Continued) **U004109445**

Address1:	42-09 235TH STREET
Address2:	Not reported
City:	DOUGLASTON
State:	NY
Zip Code:	11363
Country Code:	001
Phone:	(212) 400-9292 204
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/22/2007

Site Id:	386239
Affiliation Type:	On-Site Operator
Company Name:	475 GREENWICH STREET
Contact Type:	Not reported
Contact Name:	JOE SCULLY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 334-7190
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/22/2007

Site Id:	386239
Affiliation Type:	Emergency Contact
Company Name:	GREENWICH TRIANGLE III, LLC
Contact Type:	Not reported
Contact Name:	JOE SCULLY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(347) 386-4143
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	8/22/2007

Tank Info:

Tank Number:	001
Tank ID:	219005
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	07/25/2006
Registered:	True
Tank Location:	Underground

475 GREENWICH STREET (Continued) **U004109445**

Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number: 002
Tank ID: 219006
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/28/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 003
Tank ID: 219007
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/25/2006

475 GREENWICH STREET (Continued) **U004109445**

Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number: 004
Tank ID: 219008
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/25/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number: 005
Tank ID: 219009
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550

475 GREENWICH STREET (Continued) **U004109445**

Install Date: Not reported
Date Tank Closed: 07/25/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number: 006
Tank ID: 219010
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/25/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number: 007
Tank ID: 219011
Tank Status: Closed - Removed

475 GREENWICH STREET (Continued) **U004109445**

Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/25/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number: 008
Tank ID: 219012
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/25/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 009

475 GREENWICH STREET (Continued) **U004109445**

Tank ID: 219013
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/25/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Number: 010
Tank ID: 219014
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 07/25/2006
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: DXLIVING
Last Modified: 08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

475 GREENWICH STREET (Continued) **U004109445**

Tank Number:	011
Tank ID:	219015
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	07/25/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	DXLIVING
Last Modified:	08/22/2007

Equipment Records:

J00 - Dispenser - None
A00 - Tank Internal Protection - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
K00 - Spill Prevention - None
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

G109 **NYC DEPT OF GEN SERVICES LAB** **RCRA NonGen / NLR** **1000110347**
ENE **480 CANAL ST** **NY MANIFEST** **NYD982540015**
< 1/8 **NEW YORK, NY 10013**
0.098 mi.
518 ft. **Site 11 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYC DEPT OF GEN SERVICES LAB
Facility address:	480 CANAL ST NEW YORK, NY 10013
EPA ID:	NYD982540015
Mailing address:	CANAL ST NEW YORK, NY 10013
Contact:	Not reported
Contact address:	CANAL ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF NEW YORK
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF NEW YORK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NYC DEPT OF GEN SERVICES LAB
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: NYC DEPT OF GEN SERVICES LAB
Classification: Not a generator, verified

Date form received by agency: 08/01/1988
Site name: NYC DEPT OF GEN SERVICES LAB
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

. Waste name: REACTIVE WASTE

. Waste code: F002
. Waste name: 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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYD982540015
Country: USA
Location Address 1: 480 CANAL STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: NEW YORK CITY DEPT OF GENERAL SERVICES
Contact: NEW YORK CITY DEPT OF GENERAL SERVICES
Address: 480 CANAL STREET
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-925-5326

Manifest:

Document ID: NYA7740864
Manifest Status: Completed copy

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	09/06/1988
Trans1 Recv Date:	09/06/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/06/1988
Part A Recv Date:	09/09/1988
Part B Recv Date:	09/15/1988
Generator EPA ID:	NYD982540015
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00250
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1988

Document ID:	NYB5788557
Manifest Status:	Completed copy
Trans1 State ID:	PC4337NY
Trans2 State ID:	Not reported
Generator Ship Date:	05/29/1992
Trans1 Recv Date:	05/29/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/01/1992
Part A Recv Date:	/ /
Part B Recv Date:	06/19/1992
Generator EPA ID:	NYD982540015
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00060
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00001
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00040
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	U170 - P-NITROPHENOL
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NYA7707915
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	LJ9742NY
Trans2 State ID:	Not reported
Generator Ship Date:	10/17/1989
Trans1 Recv Date:	10/17/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/17/1989
Part A Recv Date:	11/27/1989
Part B Recv Date:	11/17/1989
Generator EPA ID:	NYD982540015
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00800
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F003 - UNKNOWN
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00100
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1989

Document ID: NYB4017285
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NYPD1011
Trans2 State ID: Not reported
Generator Ship Date: 12/17/1992
Trans1 Recv Date: 12/17/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 12/17/1992
Part A Recv Date: 12/30/1992
Part B Recv Date: 01/13/1993
Generator EPA ID: NYD982540015
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00160
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F003 - UNKNOWN
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1992

Document ID: NYB2195100
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 12/06/1991
Trans1 Recv Date: 12/06/1991
Trans2 Recv Date: / /

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

TSD Site Recv Date:	12/06/1991
Part A Recv Date:	/ /
Part B Recv Date:	01/14/1992
Generator EPA ID:	NYD982540015
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NYB2170818
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	MA7222NY
Trans2 State ID:	Not reported
Generator Ship Date:	04/23/1991
Trans1 Recv Date:	04/23/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/23/1991
Part A Recv Date:	05/02/1991
Part B Recv Date:	05/22/1991
Generator EPA ID:	NYD982540015
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NYB2182797
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	LC5437NY
Trans2 State ID:	Not reported
Generator Ship Date:	03/29/1990
Trans1 Recv Date:	03/29/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/29/1990
Part A Recv Date:	04/23/1990
Part B Recv Date:	05/02/1990
Generator EPA ID:	NYD982540015
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00040

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	U061 - DDT
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1990

Document ID:	NYB5785911
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	12/05/1991
Trans1 Recv Date:	12/05/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/05/1991
Part A Recv Date:	/ /
Part B Recv Date:	01/13/1992
Generator EPA ID:	NYD982540015
Trans1 EPA ID:	NYD049178296
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049178296
Waste Code:	F003 - UNKNOWN
Quantity:	00320
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	U218 - THIOACETAMIDE
Quantity:	00080
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

Year: 1991

Document ID: NYB2170818
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: MA7222NY
Trans2 State ID: Not reported
Generator Ship Date: 04/23/1991
Trans1 Recv Date: 04/23/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 04/23/1991
Part A Recv Date: 05/02/1991
Part B Recv Date: 05/22/1991
Generator EPA ID: NYD982540015
Trans1 EPA ID: NYD049178296
Trans2 EPA ID: Not reported
TSDF ID: NYD049178296
Waste Code: F003 - UNKNOWN
Quantity: 00120
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00002
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00002
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00040
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00001
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00020
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels

NYC DEPT OF GEN SERVICES LAB (Continued) **1000110347**

Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

G110 **HARDING & HEAL INC** **RCRA NonGen / NLR** **1000552939**
ENE **480 CANAL ST 3RD FL** **NY MANIFEST** **NYD986953446**
< 1/8 **NEW YORK, NY 10013**
0.098 mi.
518 ft. **Site 12 of 27 in cluster G**

Relative: Higher

Actual: 12 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: HARDING & HEAL INC
Facility address: 480 CANAL ST 3RD FL
NEW YORK, NY 10013
EPA ID: NYD986953446
Mailing address: CANAL ST 3RD FL
NEW YORK, NY 10013
Contact: MICHAEL SWEENEY
Contact address: CANAL ST 3RD FL
NEW YORK, NY 10013
Contact country: US
Contact telephone: (212) 925-8700
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: HARDING & HEAL INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: HARDING & HEAL INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

HARDING & HEAL INC (Continued) **1000552939**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: HARDING & HEAL INC
Classification: Not a generator, verified

Date form received by agency: 05/17/1991
Site name: HARDING & HEAL INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYD986953446
Country: USA
Location Address 1: 480 CANAL STREET 3RD FLOOR
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: HARDING & HEAL INCORPORATED
Contact: HARDING & HEAL INCORPORATED
Address: 1092 SAINT GEORGES AVE
City/State/Zip: RAHWAY, NJ 07065 2664
Country: USA
Phone: 212-925-8700

Manifest:

Document ID: NJA2801107
Manifest Status: Not reported
Trans1 State ID: NJDEPE086
Trans2 State ID: H10364
Generator Ship Date: 05/19/1999
Trans1 Recv Date: 05/19/1999
Trans2 Recv Date: 05/27/1999
TSD Site Recv Date: 06/04/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD986953446
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: SCD987574647
TSDF ID: NJD002182897

HARDING & HEAL INC (Continued) **1000552939**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00378
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	1999

Document ID:	NYC6843532
Manifest Status:	Not reported
Trans1 State ID:	NYSS581ZK
Trans2 State ID:	NJ044
Generator Ship Date:	09/04/2002
Trans1 Recv Date:	09/04/2002
Trans2 Recv Date:	09/06/2002
TSD Site Recv Date:	09/13/2002
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	SCR000075150
Trans2 EPA ID:	NJD071629976
TSDF ID:	KYD053348108
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NJA3215510
Manifest Status:	Not reported
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	10/18/2001
Trans1 Recv Date:	10/18/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/23/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	SCR000075150
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00385
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

HARDING & HEAL INC (Continued) **1000552939**

Document ID:	NJA2735747
Manifest Status:	Not reported
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/1998
Trans1 Recv Date:	02/05/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/17/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00768
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	1998

Document ID:	NJA1320807
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	04/06/1993
Trans1 Recv Date:	04/06/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/07/1993
Part A Recv Date:	04/13/1993
Part B Recv Date:	04/22/1993
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00384
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1993

Document ID:	NJA1213395
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	01/07/1992
Trans1 Recv Date:	01/07/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/09/1992
Part A Recv Date:	01/14/1992

HARDING & HEAL INC (Continued) **1000552939**

Part B Recv Date:	02/03/1992
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NJA3163481
Manifest Status:	Not reported
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	03/29/2001
Trans1 Recv Date:	03/29/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/03/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	SCR000075150
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00384
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	NJA1648385
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	03/01/1994
Trans1 Recv Date:	03/01/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/02/1994
Part A Recv Date:	03/08/1994
Part B Recv Date:	03/11/1994
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	P - Pounds
Number of Containers:	001

HARDING & HEAL INC (Continued) **1000552939**

Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1994

Document ID:	NJA1359698
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	NJDEPS869
Generator Ship Date:	11/25/1992
Trans1 Recv Date:	11/25/1992
Trans2 Recv Date:	12/07/1992
TSD Site Recv Date:	12/08/1992
Part A Recv Date:	12/09/1992
Part B Recv Date:	12/21/1992
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	ILD051060408
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00384
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NJA1367622
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	09/09/1992
Trans1 Recv Date:	09/09/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/14/1992
Part A Recv Date:	/ /
Part B Recv Date:	09/24/1992
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00385
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NJA3085973
Manifest Status:	Not reported
Trans1 State ID:	08690

HARDING & HEAL INC (Continued) **1000552939**

Trans2 State ID:	H10364
Generator Ship Date:	04/12/2000
Trans1 Recv Date:	04/12/2000
Trans2 Recv Date:	04/18/2000
TSD Site Recv Date:	04/18/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	SCR000074591
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00392
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	NJA1144585
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	06/12/1991
Trans1 Recv Date:	06/12/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/13/1991
Part A Recv Date:	06/20/1991
Part B Recv Date:	06/27/1991
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00384
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NJA1813789
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	09/06/1994
Trans1 Recv Date:	09/06/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/08/1994
Part A Recv Date:	/ /
Part B Recv Date:	09/20/1994
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD984908202

HARDING & HEAL INC (Continued) **1000552939**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1994

Document ID:	NJA1216270
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	09/11/1991
Trans1 Recv Date:	09/11/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/11/1991
Part A Recv Date:	09/19/1991
Part B Recv Date:	09/25/1991
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00400
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NJA2801162
Manifest Status:	Not reported
Trans1 State ID:	08690
Trans2 State ID:	H10364
Generator Ship Date:	09/08/1999
Trans1 Recv Date:	09/08/1999
Trans2 Recv Date:	09/09/1999
TSD Site Recv Date:	09/09/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986953446
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	SCD987574647
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00196
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00

HARDING & HEAL INC (Continued) **1000552939**

Year: 1999

G111 **480 CANAL ST** **NY AST** **U003390657**
ENE **480 CANAL STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.098 mi.
518 ft. **Site 13 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-158968
Program Type:	PBS
UTM X:	583769.18870000006
UTM Y:	4508601.4040900003
Expiration Date:	08/26/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5349
Affiliation Type:	Facility Owner
Company Name:	TRINITY CHURCH
Contact Type:	AVP OF PROPERTY MGMT.
Contact Name:	PETER A. ST. JOHN
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0867
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/20/2012

Site Id:	5349
Affiliation Type:	Mail Contact
Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	75 VARICK STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
EMail:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/10/2013

Site Id:	5349
Affiliation Type:	On-Site Operator
Company Name:	480 CANAL ST
Contact Type:	Not reported

480 CANAL ST (Continued) **U003390657**

Contact Name:	CHRISTIAN GONZALEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 602-0816
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JAAVERSA
Date Last Modified:	3/6/2013

Site Id:	5349
Affiliation Type:	Emergency Contact
Company Name:	TRINITY CHURCH
Contact Type:	Not reported
Contact Name:	RIP PERSAND
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 772-3747
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/20/2012

Tank Info:

Tank Number:	001
Tank Id:	19723
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment (AG)
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L99 - Piping Leak Detection - Other
I04 - Overfill - Product Level Gauge (A/G)
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
E07 - Piping Secondary Containment - Trench Liner
F01 - Pipe External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/01/1984

480 CANAL ST (Continued) **U003390657**

Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	JAAVERSA
Last Modified:	03/06/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

J112 **CON EDISON SERVICE BOX: 37947** **RCRA-CESQG 1016150084**
SE **57 LAIGHT ST FRONT OF** **FINDS NYP004287553**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.098 mi.
520 ft. **Site 1 of 15 in cluster J**

Relative:
Higher

Actual:
12 ft.

RCRA-CESQG:

Date form received by agency:	02/07/2013
Facility name:	CON EDISON SERVICE BOX: 37947
Facility address:	57 LAIGHT ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004287553
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	BENJAMIN BAMONTE
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 894-9549
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

CON EDISON SERVICE BOX: 37947 (Continued) **1016150084**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055456466

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004287553
Country: USA
Location Address 1: FO 57 LAIGHT ST
Location Address 2: SERV BOX 37947
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 02/07/2013
Trans1 Recv Date: 02/07/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/08/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004287553
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported

CON EDISON SERVICE BOX: 37947 (Continued) **1016150084**

Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010840233JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

G113 **EDR US Hist Auto Stat** **1015522082**
NE **500 CANAL ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.099 mi.
521 ft. **Site 14 of 27 in cluster G**

Relative:
Higher

Actual:
10 ft.

EDR Historical Auto Stations:

Name:	GREENWICH AUTO REPAIR INCORPORATED
Year:	1999
Address:	500 CANAL ST
Name:	GREENWICH AUTO REPAIR INCORPORATED
Year:	2000
Address:	500 CANAL ST
Name:	ABRAMOWITZ TRANSMISSIONS
Year:	2002
Address:	500 CANAL ST
Name:	ABRAMOWITZ TRANSMISSIONS
Year:	2003
Address:	500 CANAL ST

G114 **AUTO DIAGNOSTIC CENTER** **NY Spills** **S104501298**
NE **500 CANAL ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.099 mi.
521 ft. **Site 15 of 27 in cluster G**

Relative:
Higher

Actual:
10 ft.

SPILLS:

Facility ID:	9515012
Facility Type:	ER
DER Facility ID:	123640
Site ID:	145085
DEC Region:	2
Spill Date:	2/22/1996

AUTO DIAGNOSTIC CENTER (Continued) **S104501298**

Spill Number/Closed Date:	9515012 / 2/22/1996
Spill Cause:	Deliberate
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	2/22/1996
CID:	233
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/22/1996
Spill Record Last Update:	3/14/1996
Spiller Name:	Not reported
Spiller Company:	AUTO DIAGNOSTIAC CENTER
Spiller Address:	500 CANAL ST
Spiller City,St,Zip:	MANHATTAN, NY 10013-
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	(212) 966-7370
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	employee of above location is dumping waste oil into gutterand washing it into sewer

Material:

Site ID:	145085
Operable Unit ID:	1029722
Operable Unit:	01
Material ID:	355137
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0408431
Facility Type:	ER
DER Facility ID:	268386
Site ID:	333135
DEC Region:	2
Spill Date:	10/30/2004
Spill Number/Closed Date:	0408431 / 2/1/2005

AUTO DIAGNOSTIC CENTER (Continued) **S104501298**

Spill Cause:	Other
Spill Class:	Not reported
SWIS:	3101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	11/1/2004
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/1/2004
Spill Record Last Update:	9/15/2005
Spiller Name:	MIKE BULLOCK
Spiller Company:	STREET CORNER
Spiller Address:	500 CANAL STREET
Spiller City,St,Zip:	MANHATTEN, NY
Spiller Company:	001
Contact Name:	MIKE BULLOCK
Contact Phone:	(718) 391-1218
DEC Memo:	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 stronge 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 accessment had ever been conducted during tank closure. Futher upgradient at 480 Canal Street has a 20,000 gallon #6 oil AG tank currently in service, this does not apprear 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, LLC459 Washington StreetNew York, NY 10013ATT: Mr. Fabian Friedland2/1/05 TJDInvestigation 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.
Remarks:	DURING SOIL BORINGS FOR A SEWER LINE FOUND CONTAMNATED SOIL:

Material:

Site ID:	333135
Operable Unit ID:	1095314

AUTO DIAGNOSTIC CENTER (Continued) **S104501298**

Operable Unit:	01
Material ID:	575450
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

G115 **MANHATTAN AUTO DIAGNOSTIC CTR.** **NY UST** **U001840856**
NE **500 CANAL STREET** **NY HIST UST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.099 mi.
521 ft. **Site 16 of 27 in cluster G**

Relative:
Higher

Actual:
10 ft.

UST:

Id/Status:	2-477591 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	10/10/2005
UTM X:	583706.06426000001
UTM Y:	4508663.7495499998
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	21190
Affiliation Type:	Facility Owner
Company Name:	GEORGE & BARBARA GELLERT
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	152 WEST 57TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 581-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21190
Affiliation Type:	Mail Contact
Company Name:	C/O BELVEDERE CAPITAL CORP.
Contact Type:	Not reported
Contact Name:	GEORGE & BARBARA GELLERT
Address1:	152 WEST 57TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Zip Code:	10019
Country Code:	001
Phone:	(212) 581-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21190
Affiliation Type:	On-Site Operator
Company Name:	MANHATTAN AUTO DIAGNOSTIC CTR.
Contact Type:	Not reported
Contact Name:	-CLOSED-
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21190
Affiliation Type:	Emergency Contact
Company Name:	GEORGE & BARBARA GELLERT
Contact Type:	Not reported
Contact Name:	CHARLES E. STEWART
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(516) 753-6500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	38357
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	10/01/2000
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Number: 002
Tank ID: 38358
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None

Tank Number: 003
Tank ID: 38359
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Number: 004
Tank ID: 38360
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Number: 005

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Tank ID: 38361
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None

Tank Number: 006
Tank ID: 38362
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Number: 007
Tank ID: 38363
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None

Tank Number: 008
Tank ID: 38364
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Number: 009
Tank ID: 38365
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None

Tank Number: 010
Tank ID: 38366
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None

Tank Number: 011
Tank ID: 38367
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 10/01/2000
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
H99 - Tank Leak Detection - Other
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None

HIST UST:
PBS Number: 2-477591
SPDES Number: Not reported
Emergency Contact: CHARLES E. STEWART
Emergency Telephone: (516) 753-6500
Operator: -CLOSED-
Operator Telephone: (000) 000-0000
Owner Name: GEORGE & BARBARA GELLERT
Owner Address: 152 WEST 57TH STREET
Owner City,St,Zip: NEW YORK, NY 10019

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Owner Telephone:	(212) 581-8000
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Name:	C/O BELVEDERE CAPITAL CORP.
Mailing Address:	152 WEST 57TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10019
Mailing Contact:	GEORGE & BARBARA GELLERT
Mailing Telephone:	(212) 581-8000
Owner Mark:	Second Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	Not reported
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	Not reported
Expiration Date:	10/10/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Date Closed: 10/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 002
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: None
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 10/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 003
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: None
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 10/01/2000
Test Method: Not reported
Deleted: False

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Updated: True
Lat/long: Not reported

Tank Id: 004
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: None
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 10/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 005
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: None
Pipe Type: GALVANIZED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: Other
Overfill Prot: Product Level Gauge
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 10/01/2000
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	009
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	010
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL

MANHATTAN AUTO DIAGNOSTIC CTR. (Continued) **U001840856**

Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	Other
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	10/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

K116 **MOBIL OIL-#17-JYX** **RCRA NonGen / NLR** **1000254032**
North **290 WEST STREET** **FINDS** **NYD982187726**
< 1/8 **MANHATTAN, NY 10013** **NY MANIFEST**
0.099 mi.
522 ft. **Site 1 of 15 in cluster K**

Relative:
Lower

Actual:
4 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MOBIL SERVICE STATION 17524
Facility address:	290 WEST ST MANHATTAN, NY 10013

MOBIL OIL-#17-JYX (Continued) **1000254032**

EPA ID: NYD982187726
Mailing address: DOUGHTY BLVD
INWOOD, NY 11696
Contact: Not reported
Contact address: DOUGHTY BLVD
INWOOD, NY 11696
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MOBIL OIL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MOBIL OIL CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: MOBIL SERVICE STATION 17524
Classification: Not a generator, verified

MOBIL OIL-#17-JYX (Continued) **1000254032**

Date form received by agency: 05/22/1995
Site name: MOBIL SERVICE STATION 17524
Classification: Unverified

. Waste code: NONE
. Waste name: None

Date form received by agency: 06/25/1987
Site name: MOBIL SERVICE STATION 17524
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Records/Reporting
Date violation determined: 10/07/1996
Date achieved compliance: 11/01/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/07/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/01/1996
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Records/Reporting
Date achieved compliance: 11/01/1996
Evaluation lead agency: State

FINDS:

Registry ID: 110019388973

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA

MOBIL OIL-#17-JYX (Continued) **1000254032**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AIR MINOR

NY MANIFEST:

EPA ID:	NYD982187726
Country:	USA
Location Address 1:	290 WEST ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	MOBIL OIL CORP
Contact:	MOBIL OIL CORP
Address:	290 WEST ST
City/State/Zip:	NEW YORK, NY 10007
Country:	USA
Phone:	516-371-0286

Manifest:

Document ID:	NJA2146196
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	08/07/1995
Trans1 Recv Date:	08/07/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/07/1995
Part A Recv Date:	/ /
Part B Recv Date:	08/17/1995
Generator EPA ID:	NYD982187726
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	04871
Units:	P - Pounds
Number of Containers:	012
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1995

Document ID:	CTB0093061
Manifest Status:	Completed copy
Trans1 State ID:	S-17945NY

MOBIL OIL-#17-JYX (Continued) **1000254032**

Trans2 State ID:	Not reported
Generator Ship Date:	07/16/1987
Trans1 Recv Date:	07/16/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/16/1987
Part A Recv Date:	07/23/1987
Part B Recv Date:	07/22/1987
Generator EPA ID:	NYD982187726
Trans1 EPA ID:	NYD981185903
Trans2 EPA ID:	Not reported
TSDF ID:	CTD072138969
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	02500
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1987

Document ID:	CTB0093057
Manifest Status:	Completed copy
Trans1 State ID:	S-17945
Trans2 State ID:	Not reported
Generator Ship Date:	07/09/1987
Trans1 Recv Date:	07/09/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/10/1987
Part A Recv Date:	07/23/1987
Part B Recv Date:	07/17/1987
Generator EPA ID:	NYD982187726
Trans1 EPA ID:	NYD981185903
Trans2 EPA ID:	Not reported
TSDF ID:	CTD072138969
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01000
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1987

Document ID:	CTB0093055
Manifest Status:	Completed copy
Trans1 State ID:	S-17945NY
Trans2 State ID:	Not reported
Generator Ship Date:	07/08/1987
Trans1 Recv Date:	07/08/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/10/1987
Part A Recv Date:	07/23/1987
Part B Recv Date:	07/17/1987
Generator EPA ID:	NYD982187726
Trans1 EPA ID:	NYD981185903

MOBIL OIL-#17-JYX (Continued) **1000254032**

Trans2 EPA ID:	Not reported
TSDF ID:	CTD072138969
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1987

K117 **MOBIL R/S #11713** **NY UST** **U001839157**
North **290 WEST STREET** **NY HIST UST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.099 mi.
522 ft. **Site 2 of 15 in cluster K**

Relative:
Lower

Actual:
4 ft.

UST:

Id/Status:	2-157996 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	10/29/2012
UTM X:	583553.89413999999
UTM Y:	4508675.4660400003
Site Type:	Retail Gasoline Sales

Affiliation Records:

Site Id:	5262
Affiliation Type:	Facility Owner
Company Name:	EXXONMOBIL OIL CORPORATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	3225 GALLOWS ROAD
Address2:	Not reported
City:	FAIRFAX
State:	VA
Zip Code:	22037
Country Code:	001
Phone:	(703) 846-3000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/16/2010

Site Id:	5262
Affiliation Type:	Mail Contact
Company Name:	GILBARCO VEEDER-ROOT
Contact Type:	Not reported
Contact Name:	CMS - MAILSTOP # F76
Address1:	7300 W FRIENDLY AVE.
Address2:	PO BOX 22087
City:	GREENSBORO
State:	NC
Zip Code:	27420
Country Code:	001
Phone:	(800) 253-8054
EMail:	CMS@GILBARCO.COM

MOBIL R/S #11713 (Continued) **U001839157**

Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/17/2010

Site Id:	5262
Affiliation Type:	On-Site Operator
Company Name:	MOBIL R/S #11713
Contact Type:	Not reported
Contact Name:	STATION MANAGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 925-4602
EMail:	Not reported
Fax Number:	Not reported
Modified By:	dxliving
Date Last Modified:	10/2/2007

Site Id:	5262
Affiliation Type:	Emergency Contact
Company Name:	EXXONMOBIL OIL CORPORATION
Contact Type:	Not reported
Contact Name:	ENVIRONMENTAL HELP DESK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(800) 997-7725
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/19/2011

Tank Info:

Tank Number:	001
Tank ID:	30321
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	12/01/1931
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported

MOBIL R/S #11713 (Continued) **U001839157**

Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 002
Tank ID: 30322
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 550
Install Date: 12/01/1931
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number: 003
Tank ID: 30323
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 550
Install Date: 12/01/1931
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009

MOBIL R/S #11713 (Continued) **U001839157**

Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 004
Tank ID: 30324
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 550
Install Date: 12/01/1931
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number: 005
Tank ID: 30325
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 550

MOBIL R/S #11713 (Continued) **U001839157**

Install Date: 12/01/1931
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 006
Tank ID: 30326
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1931
Date Tank Closed: 08/01/1987
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

MOBIL R/S #11713 (Continued) **U001839157**

Tank Number: 007
Tank ID: 30327
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1931
Date Tank Closed: 08/01/1987
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number: 008
Tank ID: 30328
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 12/01/1931
Date Tank Closed: 08/01/1987
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None

MOBIL R/S #11713 (Continued) **U001839157**

D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number:	009
Tank ID:	30329
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	12/01/1931
Date Tank Closed:	08/01/1987
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None

Tank Number:	010
Tank ID:	30330
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	12/01/1931
Date Tank Closed:	08/01/1987
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

MOBIL R/S #11713 (Continued) **U001839157**

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	011
Tank ID:	30331
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	12/01/1931
Date Tank Closed:	08/01/1987
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	012
Tank ID:	49772
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	06/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty

MOBIL R/S #11713 (Continued) **U001839157**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None

Tank Number: 013
Tank ID: 49773
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/01/1995
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0000
Common Name of Substance: Empty

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None

Tank Number: 014
Tank ID: 49774
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/01/1995
Registered: True
Tank Location: Underground

MOBIL R/S #11713 (Continued) **U001839157**

Tank Type: Steel/carbon steel
Material Code: 0013
Common Name of Substance: Lube Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 015
Tank ID: 49775
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/01/1995
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0013
Common Name of Substance: Lube Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None

Tank Number: 016
Tank ID: 49776
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550

MOBIL R/S #11713 (Continued) **U001839157**

Install Date:	Not reported
Date Tank Closed:	06/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0013
Common Name of Substance:	Lube Oil
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	017
Tank ID:	49777
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	06/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Other
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

H00 - Tank Leak Detection - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
D10 - Pipe Type - Copper
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None

MOBIL R/S #11713 (Continued) **U001839157**

Tank Number: 018
Tank ID: 49778
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1000
Install Date: Not reported
Date Tank Closed: 06/01/1995
Registered: True
Tank Location: Underground
Tank Type: Other
Material Code: 9999
Common Name of Substance: Other

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
A03 - Tank Internal Protection - Fiberglass Liner (FRP)
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
B04 - Tank External Protection - Fiberglass
I00 - Overfill - None

Tank Number: 101
Tank ID: 30332
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: 11/01/1987
Date Tank Closed: 08/12/2009
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 14
Date Test: 05/01/1999
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 09/09/2009

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None

MOBIL R/S #11713 (Continued) **U001839157**

J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector

Tank Number:	102
Tank ID:	30333
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	11/01/1987
Date Tank Closed:	08/12/2009
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	14
Date Test:	05/01/1999
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/09/2009

Equipment Records:

A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number:	103
Tank ID:	30334
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	11/01/1987
Date Tank Closed:	08/12/2009
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0009
Common Name of Substance:	Gasoline

MOBIL R/S #11713 (Continued) **U001839157**

Tightness Test Method: 14
Date Test: 05/01/1999
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 09/09/2009

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number: 104
Tank ID: 30335
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: 11/01/1987
Date Tank Closed: 08/12/2009
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: 14
Date Test: 05/01/1999
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 09/09/2009

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)

MOBIL R/S #11713 (Continued) **U001839157**

Tank Number:	105
Tank ID:	30336
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	11/01/1987
Date Tank Closed:	08/12/2009
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	14
Date Test:	05/01/1999
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/09/2009

Equipment Records:

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
L07 - Piping Leak Detection - Pressurized Piping Leak Detector
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
J01 - Dispenser - Pressurized Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)

Tank Number:	106
Tank ID:	42015
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	05/01/1990
Date Tank Closed:	06/11/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	ZZ
Date Test:	12/01/1990
Next Test Date:	Not reported
Pipe Model:	F
Modified By:	NRLOMBAR
Last Modified:	04/06/2006

Equipment Records:

E00 - Piping Secondary Containment - None

MOBIL R/S #11713 (Continued) **U001839157**

G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D10 - Pipe Type - Copper
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B04 - Tank External Protection - Fiberglass

Tank Number:	106A
Tank ID:	56151
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	1000
Install Date:	05/01/1990
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	11/18/2005

Equipment Records:

B00 - Tank External Protection - None
G04 - Tank Secondary Containment - Double-Walled (Underground)
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
I00 - Overfill - None

Tank Number:	107
Tank ID:	50650
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	05/01/1990
Date Tank Closed:	06/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

MOBIL R/S #11713 (Continued) **U001839157**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
J00 - Dispenser - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
G04 - Tank Secondary Containment - Double-Walled (Underground)
I01 - Overfill - Float Vent Valve
B04 - Tank External Protection - Fiberglass

HIST UST:

PBS Number: 2-157996
SPDES Number: Not reported
Emergency Contact: ENVIRONMENTAL HELP DESK
Emergency Telephone: (800) 662-4567
Operator: HARRY SINGH
Operator Telephone: (212) 925-4602
Owner Name: EXXONMOBIL OIL CORPORATION
Owner Address: 3225 GALLOWS ROAD, 6W307
Owner City,St,Zip: FAIRFAX, VA 22037
Owner Telephone: (703) 849-6252
Owner Type: Corporate/Commercial
Owner Subtype: Mobil Oil Company
Mailing Name: EXXONMOBIL OIL CORPORATION C/O NDE ENVIRONMENTAL
Mailing Address: P. O. BOX 142667
Mailing Address 2: Not reported
Mailing City,St,Zip: AUSTIN, TX 78714-2667
Mailing Contact: EMILY MILLER
Mailing Telephone: (800) 800-4633
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2: 290 WEST STREET
SWIS ID: 6201
Old PBS Number: Not reported
Facility Type: RETAIL GASOLINE SALES
Inspected Date: Not reported
Inspector: Not reported
Inspection Result: Not reported
Federal ID: Not reported
Certification Flag: False
Certification Date: 09/30/1999
Expiration Date: 10/29/2002
Renew Flag: False
Renewal Date: Not reported
Total Capacity: 22000
FAMT: True
Facility Screen: No Missing Data

MOBIL R/S #11713 (Continued) **U001839157**

Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	012
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	EMPTY
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	06/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported
Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	EMPTY
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	06/01/1995

MOBIL R/S #11713 (Continued) **U001839157**

Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	014
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	06/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	015
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Steel/carbon steel
Tank Internal:	None
Tank External:	None
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	06/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True

MOBIL R/S #11713 (Continued) **U001839157**

Lat/long: Not reported

Tank Id: 016
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNKNOWN
Tank Type: Steel/carbon steel
Tank Internal: None
Tank External: None
Pipe Location: None
Pipe Type: NONE
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: 0
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 06/01/1995
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 017
Tank Location: UNDERGROUND
Tank Status: Closed-Removed
Install Date: Not reported
Capacity (gals): 550
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Concrete
Tank Internal: Fiberglass Liner (FRP)
Tank External: Fiberglass
Pipe Location: Underground
Pipe Type: FIBERGLASS COATED STEEL
Pipe Internal: None
Pipe External: None
Second Containment: None
Leak Detection: None
Overfill Prot: None
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: No Missing Data
Date Closed: 06/01/1995
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

MOBIL R/S #11713 (Continued) **U001839157**

Tank Id:	018
Tank Location:	UNDERGROUND
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (gals):	1000
Product Stored:	UNKNOWN
Tank Type:	Concrete
Tank Internal:	Fiberglass Liner (FRP)
Tank External:	Fiberglass
Pipe Location:	None
Pipe Type:	NONE
Pipe Internal:	None
Pipe External:	None
Second Containment:	None
Leak Detection:	None
Overfill Prot:	None
Dispenser:	0
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	06/01/1995
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	101
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	09/01/1987
Capacity (gals):	4000
Product Stored:	DIESEL
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Submersible
Date Tested:	05/01/1999
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	102
Tank Location:	UNDERGROUND
Tank Status:	In Service

MOBIL R/S #11713 (Continued) **U001839157**

Install Date:	09/01/1987
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Submersible
Date Tested:	05/01/1999
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	103
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	09/01/1987
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Submersible
Date Tested:	05/01/1999
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	104
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	09/01/1987
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE

MOBIL R/S #11713 (Continued) **U001839157**

Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Submersible
Date Tested:	05/01/1999
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	105
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	09/01/1987
Capacity (gals):	4000
Product Stored:	UNLEADED GASOLINE
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	None
Tank External:	Fiberglass
Pipe Location:	Underground
Pipe Type:	STAINLESS STEEL ALLOY
Pipe Internal:	None
Pipe External:	None
Second Containment:	Vault (w/access)
Leak Detection:	Electronic
Overfill Prot:	High Level Alarm, Catch Basin
Dispenser:	Suction
Date Tested:	05/01/1999
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Tankology [Vacutect]
Deleted:	False
Updated:	True
Lat/long:	Not reported

K118 **LOT 10,TAXBLOCK 595** **NY E DESIGNATION** **S110670120**
North **290 WEST STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.099 mi.
522 ft. **Site 3 of 15 in cluster K**

Relative:
Lower

Actual:
4 ft.

E DESIGNATION:

Tax Lot(s):	10
Tax Block:	595
Borough Code:	Not reported
E-No:	E-257

LOT 10,TAXBLOCK 595 (Continued) **S110670120**

Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Air Quality - #2 Fuel Oil or #4 Fuel Oil or Natural Gas for HVAC systems
Lot Remediation Date:	Not reported
Description:	Exhaust stack location limitations
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

G119 **LOT 8,TAXBLOCK 594** **NY E DESIGNATION** **S108075450**
NE **505 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.099 mi.
523 ft. **Site 17 of 27 in cluster G**

Relative:
Higher

Actual:
11 ft.

E DESIGNATION:

Tax Lot(s):	8
Tax Block:	594
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

J120 **BELL ATLANTIC MOBILE** **NY TANKS** **U003397356**
SE **54 LAIGHT STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.099 mi.
524 ft. **Site 2 of 15 in cluster J**

Relative:
Higher

Actual:
12 ft.

TANKS:

Facility Id:	2-603682
Region:	STATE
DEC Region:	2
Site Status:	Active
Program Type:	PBS
Expiration Date:	10/02/2018
UTM X:	583731.62893999997

BELL ATLANTIC MOBILE (Continued) **U003397356**

UTM Y: 4508389.4895200003

HIST AST:

PBS Number:	2-603682
SWIS Code:	6201
Operator:	ED FOX
Facility Phone:	(212) 431-2760
Facility Addr2:	54 LAIGHT STREET
Facility Type:	Not reported
Emergency:	KEVIN MCDONAUGH
Emergency Tel:	(516) 294-1090
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	BELL ATLANTIC MOBILE
Owner Address:	2000 CORPORATE DR.
Owner City,St,Zip:	ORANGEBURG, NY 10962
Federal ID:	Not reported
Owner Tel:	(914) 365-7370
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	KEVIN MCDONAUGH
Mailing Name:	BELL ATLANTIC MOBILE
Mailing Address:	2000 CORPORATE DR.
Mailing Address 2:	Not reported
Mailing City,St,Zip:	ORANGEBURG, NY 10962
Mailing Telephone:	(914) 365-7370
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/29/1998
Expiration:	10/02/2003
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	In Service
Install Date:	07/01/1990
Capacity (Gal):	2000
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	0

BELL ATLANTIC MOBILE (Continued) **U003397356**

Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	08
Leak Detection:	00
Overfill Protection:	02
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

J121 **EDR US Hist Auto Stat** **1015545674**
SE **54 LAIGHT ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.099 mi.
524 ft. **Site 3 of 15 in cluster J**

Relative:
Higher

Actual:
12 ft.

EDR Historical Auto Stations:

Name:	BELL ATLANTIC MOBIL
Year:	1999
Address:	54 LAIGHT ST
Name:	BELL ATLANTIC MOBIL
Year:	2000
Address:	54 LAIGHT ST

G122 **CON EDISON - SERVICE BOX 36286** **RCRA-LQG** **1016149806**
NE **SWC CANAL ST AND GREENWICH ST** **NY MANIFEST** **NYP004284725**
< 1/8 **NEW YORK, NY 10013**
0.099 mi.
525 ft. **Site 18 of 27 in cluster G**

Relative:
Higher

Actual:
10 ft.

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - SERVICE BOX 36286
Facility address:	SWC CANAL ST AND GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004284725
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2757
Contact email:	HUACOND@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator

CON EDISON - SERVICE BOX 36286 (Continued) **1016149806**

Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/22/2013
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/22/2013
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D008
. Waste name:	LEAD

Historical Generators:

Date form received by agency: 01/22/2013

CON EDISON - SERVICE BOX 36286 (Continued) **1016149806**

Site name: CON EDISON SERVICE BOX: 36286
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004284725
Country: USA
Location Address 1: SW COR CANAL ST & GREENWICH ST
Location Address 2: SERV BOX 36286
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/22/2013
Trans1 Recv Date: 01/22/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/28/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004284725
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 2500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010707043JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported

CON EDISON - SERVICE BOX 36286 (Continued) **1016149806**

Mgmt Method Type Code: H110

J123 **HANLEY MOVING SERVICE** **NY AST** **U003388753**
SSE **412 GREENWICH ST** **NY HIST AST** **N/A**
< 1/8 **NYC, NY 10013**
0.099 mi.
525 ft. **Site 4 of 15 in cluster J**

Relative:
Higher

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Inactive
Facility Id:	2-280100
Program Type:	PBS
UTM X:	583651.50873999996
UTM Y:	4508340.9581300002
Expiration Date:	07/14/2002
Site Type:	Unknown

Affiliation Records:

Site Id:	12221
Affiliation Type:	Facility Owner
Company Name:	USDAN ASSOC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	7 CAESAR PL
Address2:	Not reported
City:	MOONACIE
State:	NJ
Zip Code:	07074
Country Code:	001
Phone:	(201) 933-8100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12221
Affiliation Type:	Mail Contact
Company Name:	HANLEY MOVING STORAGE
Contact Type:	Not reported
Contact Name:	MICHAEL HANLEY
Address1:	7 CAESAR PL
Address2:	Not reported
City:	MOONACIE
State:	NJ
Zip Code:	07074
Country Code:	001
Phone:	(201) 933-8100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12221
Affiliation Type:	On-Site Operator
Company Name:	HANLEY MOVING SERVICE
Contact Type:	Not reported

HANLEY MOVING SERVICE (Continued) **U003388753**

Contact Name:	USDAN ASSOC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(201) 933-8100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	12221
Affiliation Type:	Emergency Contact
Company Name:	USDAN ASSOC
Contact Type:	Not reported
Contact Name:	USDAN ASSOC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(201) 933-8100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	14553
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	C00 - Pipe Location - No Piping
	F00 - Pipe External Protection - None
	A00 - Tank Internal Protection - None
	D00 - Pipe Type - No Piping
	G00 - Tank Secondary Containment - None
	I00 - Overfill - None
	B00 - Tank External Protection - None
	H00 - Tank Leak Detection - None
Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Tank Converted to Non-Regulated Use
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	01
Date Test:	03/01/1988
Next Test Date:	Not reported
Date Tank Closed:	10/18/2000

HANLEY MOVING SERVICE (Continued) **U003388753**

Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-280100
SWIS Code:	6201
Operator:	USDAN ASSOC
Facility Phone:	(201) 933-8100
Facility Addr2:	412 GREENWICH ST
Facility Type:	Not reported
Emergency:	USDAN ASSOC
Emergency Tel:	(201) 933-8100
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	USDAN ASSOC
Owner Address:	7 CAESAR PL
Owner City,St,Zip:	MOONACIE, NJ 07074
Federal ID:	Not reported
Owner Tel:	(201) 933-8100
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MICHAEL HANLEY
Mailing Name:	HANLEY MOVING STORAGE
Mailing Address:	7 CAESAR PL
Mailing Address 2:	Not reported
Mailing City,St,Zip:	MOONACIE, NJ 07074
Mailing Telephone:	(201) 933-8100
Owner Mark:	First Owner
Facility Status:	3 - Administratively closed (reasons include business is closed and/or mail is undeliverable, and staff cannot check if tanks were removed; or a duplicate registration was generated).
Certification Flag:	False
Certification Date:	06/12/1998
Expiration:	07/14/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	Undefined
Install Date:	Not reported
Capacity (Gal):	1500

HANLEY MOVING SERVICE (Continued) **U003388753**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	None
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Gravity
Date Tested:	03/01/1988
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	10/18/2000
Test Method:	Petro-Tite
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

G124 **LOT 7501,TAXBLOCK 594** **NY E DESIGNATION** **S111073053**
NE **479 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.100 mi.
526 ft. **Site 19 of 27 in cluster G**

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:

Tax Lot(s):	7501
Tax Block:	594
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

L125 **CON EDISON SERVICE BOX: 28496** **RCRA-CESQG** **1016149799**
NNE **508 CANAL ST** **FINDS** **NYP004284659**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.100 mi.
529 ft. **Site 1 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 28496
Facility address:	508 CANAL ST NEW YORK, NY 10013

CON EDISON SERVICE BOX: 28496 (Continued) **1016149799**

EPA ID: NYP004284659
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055465740

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CON EDISON SERVICE BOX: 28496 (Continued) **1016149799**

NY MANIFEST:

EPA ID:	NYP004284659
Country:	USA
Location Address 1:	508 CANAL ST
Location Address 2:	SERV BOX 28496
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284659
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707036JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

I126
ESE
< 1/8
0.100 mi.
529 ft.

CON EDISON SERVICE BOX: 47515
31 VESTRY ST
NEW YORK, NY 10013

Site 4 of 16 in cluster I

RCRA-CESQG 1016149948
FINDS NYP004286167
NY MANIFEST

Relative:
Higher

Actual:
12 ft.

RCRA-CESQG:

Date form received by agency:	01/29/2013
Facility name:	CON EDISON SERVICE BOX: 47515
Facility address:	31 VESTRY ST NEW YORK, NY 10013
EPA ID:	NYP004286167
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055469791

CON EDISON SERVICE BOX: 47515 (Continued) **1016149948**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004286167
Country:	USA
Location Address 1:	31 VESTRY ST
Location Address 2:	SERV BOX 47515
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/29/2013
Trans1 Recv Date:	01/29/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/01/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286167
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010456781JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

CON EDISON SERVICE BOX: 47515 (Continued) **1016149948**

Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

L127 **FIVE STAR AUTOTEC** **NY UST** **U003297797**
NNE **510 CANAL STREET** **N/A**
< 1/8 **NEW YORK, NY 11101**
0.101 mi.
531 ft. **Site 2 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

UST:
Id/Status: 2-600422 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 02/10/2003
UTM X: 583673.52870000002
UTM Y: 4508695.1335199997
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 22404
Affiliation Type: Facility Owner
Company Name: AMI LASKER/FIVE STAR AUTOTEC
Contact Type: Not reported
Contact Name: Not reported
Address1: 34-14 31ST STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 11100
Country Code: 001
Phone: (718) 361-6363
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 22404
Affiliation Type: Mail Contact
Company Name: FIVE STAR AUTOTEC
Contact Type: Not reported
Contact Name: AMI LASKER
Address1: 510 CANAL STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 226-6767
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

FIVE STAR AUTOTEC (Continued) **U003297797**

Site Id:	22404
Affiliation Type:	On-Site Operator
Company Name:	FIVE STAR AUTOTEC
Contact Type:	Not reported
Contact Name:	AMI LASKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-6767
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22404
Affiliation Type:	Emergency Contact
Company Name:	AMI LASKER/FIVE STAR AUTOTEC
Contact Type:	Not reported
Contact Name:	AMI LASKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-6767
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	42597
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	02/01/1998
Date Tank Closed:	02/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

FIVE STAR AUTOTEC (Continued) **U003297797**

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 002
Tank ID: 42598
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 02/01/1998
Date Tank Closed: 02/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 003
Tank ID: 42599
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 02/01/1998
Date Tank Closed: 02/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported

FIVE STAR AUTOTEC (Continued) **U003297797**

Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 004
Tank ID: 42600
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 02/01/1998
Date Tank Closed: 02/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 005
Tank ID: 42601
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 02/01/1998
Date Tank Closed: 02/01/1998
Registered: True
Tank Location: Underground

FIVE STAR AUTOTEC (Continued) **U003297797**

Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 006
Tank ID: 42602
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: 02/01/1998
Date Tank Closed: 02/01/1998
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 007
Tank ID: 53782
Tank Status: Closed - Removed

FIVE STAR AUTOTEC (Continued) **U003297797**

Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	02/01/1998
Date Tank Closed:	02/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	008
Tank ID:	53783
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	02/01/1998
Date Tank Closed:	02/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None

FIVE STAR AUTOTEC (Continued) **U003297797**

H00 - Tank Leak Detection - None

L128 **EDR US Hist Auto Stat** **1015530492**
NNE **510 CANAL ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.101 mi.
531 ft. **Site 3 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

EDR Historical Auto Stations:

Name:	MANHATTAN TRANSMISSIONS
Year:	1999
Address:	510 CANAL ST
Name:	ABRAMOWITZ TRANSMISSIONS
Year:	2004
Address:	510 CANAL ST
Name:	ABRAMOWITZ TRANSMISSIONS
Year:	2010
Address:	510 CANAL ST
Name:	AMERICAN EAGLE TOWING & AUTO REPAIR
Year:	2011
Address:	510 CANAL ST
Name:	AMERICAN EAGLE TOWING & AUTO REPAIR
Year:	2012
Address:	510 CANAL ST

L129 **FIVE STAR** **NY Spills** **S102961693**
NNE **510 CANAL STREET** **N/A**
< 1/8 **NEW YORK, NY**
0.101 mi.
531 ft. **Site 4 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

SPILLS:

Facility ID:	9708605
Facility Type:	ER
DER Facility ID:	63336
Site ID:	66104
DEC Region:	2
Spill Date:	10/23/1997
Spill Number/Closed Date:	9708605 / 3/24/1998
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	10/23/1997
CID:	205
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

FIVE STAR (Continued) **S102961693**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	10/23/1997
Spill Record Last Update:	11/5/2003
Spiller Name:	AMI LASKER
Spiller Company:	FIVE STAR AUTO
Spiller Address:	34-14 31ST STREET
Spiller City,St,Zip:	QUEENS, NY 11101-
Spiller Company:	001
Contact Name:	ERIK
Contact Phone:	(212) 226-6767
DEC Memo:	Not reported
Remarks:	CONSTRUCTION AT SITE, CALLER FEELS THAT U/G TANKS ARE STILL THERE AND CONST. COMPANY IS IGNORING CONTAMINATION.

Material:

Site ID:	66104
Operable Unit ID:	1051739
Operable Unit:	01
Material ID:	330567
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9708606
Facility Type:	ER
DER Facility ID:	131584
Site ID:	155343
DEC Region:	2
Spill Date:	10/23/1997
Spill Number/Closed Date:	9708606 / 11/5/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	10/23/1997
CID:	257
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

FIVE STAR (Continued) **S102961693**

UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	10/23/1997
Spill Record Last Update:	3/22/2004
Spiller Name:	JIM RAMSBURGH
Spiller Company:	FIVE STAR AUTO
Spiller Address:	510 CANAL ST
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	001
Contact Name:	MARK DAVIS
Contact Phone:	(315) 386-3058
DEC Memo:	Not reported
Remarks:	DURING INSTALLATION OF SIGNS CALLER SAYS THAT THE COMPANY STRUCK CONTAMINATED SOIL

Material:

Site ID:	155343
Operable Unit ID:	1051740
Operable Unit:	01
Material ID:	330568
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9708627
Facility Type:	ER
DER Facility ID:	63336
Site ID:	66105
DEC Region:	2
Spill Date:	10/23/1997
Spill Number/Closed Date:	9708627 / 11/5/2003
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	10/23/1997
CID:	322
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0

FIVE STAR (Continued) **S102961693**

Date Entered In Computer:	10/23/1997
Spill Record Last Update:	3/22/2004
Spiller Name:	AMI LASKER
Spiller Company:	FIVE STAR AUTO
Spiller Address:	510 CANAL STREET
Spiller City,St,Zip:	NEW YORK, NY 10013-
Spiller Company:	001
Contact Name:	ERIK
Contact Phone:	(212) 226-6767
DEC Memo:	Not reported
Remarks:	CALLER STATES HE WAS NOTIFIED BY SUB CONTRACTOR WHO WAS DIGGINGA HOLE FOR A SIGN FOOTING ENCOUNTERD SOIL WHICH SMELLED LIKEGASOLINE - PROPERTY IS ABANDONED GAS STATION

Material:

Site ID:	66105
Operable Unit ID:	1051749
Operable Unit:	01
Material ID:	563781
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L130 **CON EDISON SERVICE BOX: 28495** **RCRA-CESQG 1016149798**
NNE **510 CANAL ST** **FINDS NYP004284642**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.101 mi.
531 ft. **Site 5 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 28495
Facility address:	510 CANAL ST NEW YORK, NY 10013
EPA ID:	NYP004284642
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous

CON EDISON SERVICE BOX: 28495 (Continued) **1016149798**

waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110019488259

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYP004284642
Country:	USA
Location Address 1:	510 CANAL ST
Location Address 2:	SERV BOX 28495
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

CON EDISON SERVICE BOX: 28495 (Continued) **1016149798**

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284642
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707035JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

F131 **NEW BOWERY ANTHONYS** **RCRA NonGen / NLR** **1000105088**
SSE **408 GREENWICH ST** **FINDS** **NYD011901576**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.101 mi.
535 ft. **Site 10 of 10 in cluster F**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NEW BOWERY ANTHONYS
Facility address:	408 GREENWICH ST NEW YORK, NY 100132002
EPA ID:	NYD011901576

NEW BOWERY ANTHONYS (Continued) **1000105088**

Mailing address: GREENWICH ST
NEW YORK, NY 10013
Contact: Not reported
Contact address: GREENWICH ST
NEW YORK, NY 10013
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NEW BOWERY ANTHONYS INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NEW BOWERY ANTHONYS INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NEW BOWERY ANTHONYS
Classification: Not a generator, verified

Date form received by agency: 07/08/1999

NEW BOWERY ANTHONYS (Continued) **1000105088**

Site name: NEW BOWERY ANTHONYS
Classification: Not a generator, verified

Date form received by agency: 07/02/1987
Site name: NEW BOWERY ANTHONYS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004343817

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD011901576
Country: USA
Location Address 1: 408-10 GREENWICH STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: NEW BOWERY ANTHONYS
Contact: ANTHONY FEOLA
Address: 16 ZWICKY AVENUE
City/State/Zip: STATEN ISLAND, NY 10306
Country: USA
Phone: 212-233-1195

Manifest:

Document ID: NYA8894665
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 05/23/1988
Trans1 Recv Date: 05/23/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 05/25/1988
Part A Recv Date: 05/26/1988
Part B Recv Date: 06/06/1988
Generator EPA ID: NYD011901576
Trans1 EPA ID: ILD051060408

NEW BOWERY ANTHONYS (Continued) **1000105088**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00468
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1988

Document ID:	NJA0329015
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/1987
Trans1 Recv Date:	10/13/1987
Trans2 Recv Date:	10/13/1987
TSD Site Recv Date:	10/13/1987
Part A Recv Date:	10/20/1987
Part B Recv Date:	10/21/1987
Generator EPA ID:	NYD011901576
Trans1 EPA ID:	NJD000768093
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00144
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1987

Document ID:	NYA8883123
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	03/28/1988
Trans1 Recv Date:	03/28/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/30/1988
Part A Recv Date:	04/04/1988
Part B Recv Date:	04/04/1988
Generator EPA ID:	NYD011901576
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00144
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100

NEW BOWERY ANTHONYS (Continued) **1000105088**

Year: 1988

Document ID: NJA0384470
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 04/25/1988
Trans1 Recv Date: 04/25/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 04/27/1988
Part A Recv Date: 04/28/1988
Part B Recv Date: 05/02/1988
Generator EPA ID: NYD011901576
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768101
Waste Code: F003 - UNKNOWN
Quantity: 00036
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 100
Year: 1988

Document ID: NYA8631022
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 01/05/1988
Trans1 Recv Date: 01/05/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 01/05/1988
Part A Recv Date: 01/11/1988
Part B Recv Date: 01/11/1988
Generator EPA ID: NYD011901576
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768101
Waste Code: F003 - UNKNOWN
Quantity: 00144
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1988

Document ID: NYA8680408
Manifest Status: Completed copy
Trans1 State ID: NYDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 02/02/1988
Trans1 Recv Date: 02/02/1988

NEW BOWERY ANTHONYS (Continued) **1000105088**

Trans2 Recv Date:	/ /
TSD Site Recv Date:	02/03/1988
Part A Recv Date:	02/08/1988
Part B Recv Date:	02/09/1988
Generator EPA ID:	NYD011901576
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00144
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1988

Document ID:	NJA0318009
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	11/10/1987
Trans1 Recv Date:	11/10/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/11/1987
Part A Recv Date:	11/12/1987
Part B Recv Date:	11/17/1987
Generator EPA ID:	NYD011901576
Trans1 EPA ID:	NJD000768093
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00144
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1987

Document ID:	NYA8726916
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	03/01/1988
Trans1 Recv Date:	03/01/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/02/1988
Part A Recv Date:	03/07/1988
Part B Recv Date:	03/07/1988
Generator EPA ID:	NYD011901576
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN

NEW BOWERY ANTHONYS (Continued) **1000105088**

Quantity:	00036
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1988

Document ID:	NJA0318019
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	23790
Generator Ship Date:	08/13/1987
Trans1 Recv Date:	08/13/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/13/1987
Part A Recv Date:	11/06/1987
Part B Recv Date:	10/15/1987
Generator EPA ID:	NYD011901576
Trans1 EPA ID:	NJD000768093
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00537
Units:	P - Pounds
Number of Containers:	007
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1987

Document ID:	NYA6944354
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	12/08/1987
Trans1 Recv Date:	12/08/1987
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/08/1987
Part A Recv Date:	12/15/1987
Part B Recv Date:	12/15/1987
Generator EPA ID:	NYD011901576
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768101
Waste Code:	F003 - UNKNOWN
Quantity:	00036
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1987

G132 **34 WATTS ST** **NY AST** **U003391110**
ENE **34 WATTS ST (110 6TH AVE)** **NY HIST AST** **N/A**
< 1/8 **NY, NY 10013**
0.102 mi.
536 ft. **Site 20 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-333662
Program Type:	PBS
UTM X:	583759.01896000002
UTM Y:	4508645.52245
Expiration Date:	04/02/2018
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	15840
Affiliation Type:	Facility Owner
Company Name:	MANHATTAN MANSION
Contact Type:	MANAGING AGENT
Contact Name:	JACQUES OBAYON
Address1:	43 WEST 75TH ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 769-3706
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/11/2013

Site Id:	15840
Affiliation Type:	Mail Contact
Company Name:	MARBROSE REALTY, INC.
Contact Type:	Not reported
Contact Name:	MARIA SANCHEZ
Address1:	43 W. 75TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 769-3706
EMail:	MARBROSE@GMAIL.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/11/2013

Site Id:	15840
Affiliation Type:	On-Site Operator
Company Name:	34 WATTS ST
Contact Type:	Not reported
Contact Name:	MARBROSE REALTY, INC.
Address1:	Not reported
Address2:	Not reported
City:	Not reported

34 WATTS ST (Continued) **U003391110**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 769-3706
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	15840
Affiliation Type:	Emergency Contact
Company Name:	MANHATTAN MANSION C/O MARBROSE REALTY, INC
Contact Type:	Not reported
Contact Name:	MARBROSE REALTY, INC.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 769-3706
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	20797
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I00 - Overfill - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/01/1985
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported

34 WATTS ST (Continued) **U003391110**

Register: True
Modified By: MSBAPTIS
Last Modified: 04/11/2013
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:
PBS Number: 2-333662
SWIS Code: 6201
Operator: MARBROSE REALTY, INC.
Facility Phone: (212) 769-3706
Facility Addr2: 34 WATTS ST
Facility Type: APARTMENT BUILDING
Emergency: MARBROSE REALTY, INC.
Emergency Tel: (212) 769-3706
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: MANHATTAN MANSION C/O MARBROSE REALTY, INC
Owner Address: 43 WEST 75TH ST.
Owner City,St,Zip: NEW YORK, NY 10023
Federal ID: Not reported
Owner Tel: (212) 769-3706
Owner Type: Private Resident
Owner Subtype: Not reported
Mailing Contact: MARIA SANCHEZ
Mailing Name: MARBROSE REALTY, INC.
Mailing Address: 43 W. 75TH STREET
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10023
Mailing Telephone: (212) 769-3706
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag: False
Certification Date: 05/27/1999
Expiration: 04/02/2003
Renew Flag: False
Renew Date: Not reported
Total Capacity: 2000
FAMT: True
Facility Screen: No Missing Data
Owner Screen: No Missing Data
Tank Screen: Minor Data Missing
Dead Letter: False
CBS Number: Not reported
Town or City: NEW YORK CITY
County Code: 62
Town or City Code: 01
Region: 2

Tank ID: 001
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 2000

34 WATTS ST (Continued) **U003391110**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	Not reported
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

K133 **NYC DEPT OF SANITATION PROPERTY** **NY Spills** **S113819455**
North **297 WEST ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.105 mi.
553 ft. **Site 4 of 15 in cluster K**

Relative:
Lower

Actual:
3 ft.

SPILLS:

Facility ID:	1405551
Facility Type:	ER
DER Facility ID:	440116
Site ID:	498982
DEC Region:	2
Spill Date:	8/21/2014
Spill Number/Closed Date:	1405551 / 10/10/2014
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	3101
Investigator:	vszhune
Referred To:	Not reported
Reported to Dept:	8/21/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/21/2014
Spill Record Last Update:	10/14/2014
Spiller Name:	LAURA GIUSTINIANI
Spiller Company:	NYC DEPT OF SANITATION PROPERTY
Spiller Address:	297 WEST ST
Spiller City,St,Zip:	MANHATTAN, NY

NYC DEPT OF SANITATION PROPERTY (Continued) **S113819455**

Spiller Company:	999
Contact Name:	LAURA GIUSTINIANI
Contact Phone:	(718) 714-6898
DEC Memo:	8/2914- Zhune spoke to Laura Giustiniani 718-714-6898. She said they removed the tank and collected four soil samples. The analytical results indicated that samples are cleaned. They collected samples by the vent pipe. They are waiting for the results.10/14/14-Laura Giustiniani emailed the Site Assessment Report dated 9/5/14.The report stated that Empire Environmental was retained by Olivers Contracitng Inc. for the purpose of supervising and conducting the removal of (1)2000 Gallon Tank at 297 West Street in Manhattan. When the tank was uncovered it had been previously closed in place with concrete slurry. There was no evidence of stained contaminated soil after the tank was removed from tank excavation. As per Laura the all lines were previously removed from the tank. As part of this Site Assessment Empire Environmental collected four (4)soil samples after the removal of the tank. The confirmatory samples were collected from west, East, North and south wall of the excavation. The soil analytical results indicate nO VOCs and no SVOCs components were detected exceeding the standards.Based on this information and the information on Spill # 9804683 (The site underwent remediation). The spill is closed.
Remarks:	Tank removal with impacted soil. testing pending & cleanup is pending.
	Not reported

Material:

Site ID:	498982
Operable Unit ID:	1248415
Operable Unit:	01
Material ID:	2249854
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	1304448
Facility Type:	ER
DER Facility ID:	440116
Site ID:	484972
DEC Region:	2
Spill Date:	7/23/2013
Spill Number/Closed Date:	1304448 / 7/25/2013
Spill Cause:	Abandoned Drums
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	7/23/2013

NYC DEPT OF SANITATION PROPERTY (Continued) **S113819455**

CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	7/23/2013
Spill Record Last Update:	7/25/2013
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	MANHATTAN GARAGE
Contact Phone:	2127325014
DEC Memo:	7/24/13-Zhune spoke to NYC DEP- Henry Chem (646-763-2597. He said they tested the material in the drum and the result was waste oil. The drum was left in front of the Sanitation Department building. DEP labeled the drum and put a caution tape around it.55 gal pumped on 7/24/13- Closed.
Remarks:	1 55G Drum of used oil was left outside the building, small leak in drum, leak has been stopped..

Material:

Site ID:	484972
Operable Unit ID:	1234646
Operable Unit:	01
Material ID:	2233711
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

K134 **DEPT OF SANITATION** **NY LTANKS S104950873**
North **297 WEST STREET** **NY Spills N/A**
< 1/8 **NEW YORK, NY 10013**
0.105 mi.
553 ft. **Site 5 of 15 in cluster K**

Relative:
Lower

Actual:
3 ft.

LTANKS:

Site ID:	135631
Spill Number/Closed Date:	9404493 / 5/30/2007
Spill Date:	6/30/1994
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response.

DEPT OF SANITATION (Continued) **S104950873**

	Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	6/30/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/4/1994
Spill Record Last Update:	5/30/2007
Spiller Name:	Not reported
Spiller Company:	NYC DEPT OF SANITATION
Spiller Address:	297 WEST STREET
Spiller City,St,Zip:	NEW YORK, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	309192
DEC Memo:	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. AZ05/30/07: 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
Remarks:	Not reported

Material:

Site ID:	135631
Operable Unit ID:	1001573
Operable Unit:	01
Material ID:	381105
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported

DEPT OF SANITATION (Continued) **S104950873**

Oxygenate: False

Tank Test:
Site ID: 135631
Spill Tank Test: 1542917
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

Site ID: 240197
Spill Number/Closed Date: 9712858 / 3/2/2005
Spill Date: 2/18/1998
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: ADZHITOM
Referred To: Not reported
Reported to Dept: 2/18/1998
CID: 257
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 2/18/1998
Spill Record Last Update: 7/7/2005
Spiller Name: TONY MARINO
Spiller Company: MANHATTAN WEST ONE
Spiller Address: 297 WEST ST
Spiller City,St,Zip: MANHATTAN, NY
Spiller County: 001
Spiller Contact: TONY MARINO
Spiller Phone: (718) 391-1062
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 309192
DEC Memo: 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).
Remarks: call just recieved result for soil samples

Material:
Site ID: 240197

DEPT OF SANITATION (Continued) **S104950873**

Operable Unit ID:	1055712
Operable Unit:	01
Material ID:	327440
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	240197
Operable Unit ID:	1055712
Operable Unit:	01
Material ID:	327441
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	240198
Spill Number/Closed Date:	9804683 / 7/11/2006
Spill Date:	7/13/1998
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	7/14/1998
CID:	281
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	7/14/1998
Spill Record Last Update:	7/11/2006
Spiller Name:	NICK ARGIRO
Spiller Company:	NYC DEPT OF SANITATION
Spiller Address:	297 WEST ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001

DEPT OF SANITATION (Continued) **S104950873**

Spiller Contact:	KEN ROSS
Spiller Phone:	(516) 249-3150
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	309192
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"The spill is also referred to spill # 9712858. The site is currently under remediation by LiRo Engineers. - II (03/02/05).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. AZ11/08/09 - Reviewed Quarterly Monitoring Report received in October 2005. MW-13 exhibited total VOCs concentrations of 179 ppb. Concentrations in this well fluctuate between 34 ppb and 230 ppb - unstable plume conditions. MW-2, a downgradient well, exhibited concentrations of 68 ppb up from previous reading 4 ppb. My conclusions: plume conditions are unstable. Sentinel well is contaminated. Further monitoring is needed. AZ 7/11/2006 Reviewed Sensitive Receptor Survey Report by LiRo. The site underwent remediation: excavation of a contaminated fill port area along Canal Street, installation of a soil vapor extraction system (SVE), bio-nutrient application and the application of oxygen release compound (ORC). Fill port excavation was completed in 2001. ORC was applied in March 2003 and September 2003 in 8 eight wells in the southern portion of the site and in 12 wells in the northern portion of the site. For the soil biorestoration, a bacteria-nutrient slurry mix was injected for 6 consecutive weeks starting on March 11, 2003. The SVE system was working from July 29, 2003 until a shutdown in October 2004. The shutdown was approved by DEC. The ORC socks were installed in October 2004 and April 2005. Additional soil excavation was performed in January/February 2005, as requested by DEC. LiRo stated that there is no known direct exposure pathways within 2,000 feet of the site. Site groundwater appears to be controlled by Holland tunnel dewatering system. LiRo recommended closure of this spill. Jon Kolleeny suggested closure of this spill. AZ
Remarks:	CALLER RESPONDED TO ABOVE LOCATION FOR TANK UPGRADE. UPONREMOVAL OF OLD TANK SOIL CONTAMINATION WAS DISCOVERED. SOILHAS BEEN REMOVED AND FURTHER TESTING AND TANK REPLACEMENTTO FOLLOW. NO CALL BACK REQUEST.

Material:

Site ID:	240198
Operable Unit ID:	1062606
Operable Unit:	01
Material ID:	319454
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	240198
Operable Unit ID:	1062606

DEPT OF SANITATION (Continued) **S104950873**

Operable Unit:	01
Material ID:	319455
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	240195
Spill Number/Closed Date:	0011671 / 2/6/2006
Spill Date:	1/29/2001
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MDMACCAB
Referred To:	Not reported
Reported to Dept:	1/29/2001
CID:	207
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/29/2001
Spill Record Last Update:	2/6/2006
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	GEORGE MCDERMOTT
Spiller Phone:	(516) 485-0000
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	309192
DEC Memo:	UST was closed in place May 19, 2003.See PBS # 2-455830.
Remarks:	Not reported

Material:

Tank Test:

Site ID:	240195
Spill Tank Test:	1526078
Tank Number:	1

DEPT OF SANITATION (Continued) **S104950873**

Tank Size:	2000
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

SPILLS:

Facility ID:	0012882
Facility Type:	ER
DER Facility ID:	309192
Site ID:	240196
DEC Region:	2
Spill Date:	2/13/2001
Spill Number/Closed Date:	0012882 / 5/30/2007
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JAKOLLEE
Referred To:	Not reported
Reported to Dept:	3/7/2001
CID:	207
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/7/2001
Spill Record Last Update:	5/30/2007
Spiller Name:	Not reported
Spiller Company:	NYC SANITATION GARAGE
Spiller Address:	135 W 131ST ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	GEORGE MCDERMOTT
Contact Phone:	(516) 485-0000
DEC Memo:	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
Remarks:	CONTAMINATED SOIL FOUND IN THE COURSE OF A TANK ABANDONMENTTANKS ARE VAULTED AND ARE NEXT TO VAULTED TANKS STILL IN USE

Material:

DEPT OF SANITATION (Continued) **S104950873**

Site ID:	240196
Operable Unit ID:	834432
Operable Unit:	01
Material ID:	539607
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	240196
Operable Unit ID:	834432
Operable Unit:	01
Material ID:	539606
Material Code:	0010
Material Name:	Hydraulic Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

K135 **NYC SANITAION - J SCHIAVONE** **RCRA-CESQG** **1000141020**
North **297 WEST ST MW1** **ICIS** **NYD986870145**
< 1/8 **NEW YORK, NY 10011** **FINDS**
0.105 mi. **NY MANIFEST**
553 ft. **Site 6 of 15 in cluster K**

Relative:
Lower

Actual:
3 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	NYC SANITAION - J SCHIAVONE
Facility address:	297 WEST ST MW1 NEW YORK, NY 10011
EPA ID:	NYD986870145
Mailing address:	58TH ST ROOM 404 WOODSIDE, NY 11377
Contact:	Not reported
Contact address:	58TH ST ROOM 404 WOODSIDE, NY 11377
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or

NYC SANITAION - J SCHIAVONE (Continued) **1000141020**

other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: CITY OF NEW YORK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF NEW YORK
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NYC SANITAION - J SCHIAVONE
Classification: Not a generator, verified

Date form received by agency: 07/14/1999
Site name: NYC SANITAION - J SCHIAVONE
Classification: Small Quantity Generator

NYC SANITAION - J SCHIAVONE (Continued) **1000141020**

Date form received by agency: 06/16/1988
Site name: NYC SANITAION - J SCHIAVONE
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: X001
. Waste name: WASTE OILS

Violation Status: No violations found

ICIS:
Enforcement Action ID: 02-1991-0160
FRS ID: 110004436771
Program ID: RCRAINFO NYD986870145
Action Name: NYC, REFUELING FACILITIES
Full Address: 297 WEST ST MW1 NEW YORK NY 10013-1327
State: New York
Facility Name: NYC SANITAION - J SCHIAVONE
Facility Address: 297 WEST ST MW1
NEW YORK, NY 10013-1327
Enforcement Action Type: Pre-Referral Negotiation
Facility County: NEW YORK
EPA Region #: 2

Enforcement Action ID: 02-1991-0160
FRS ID: 110004436771
Program ID: FRS 110004436771
Action Name: NYC, REFUELING FACILITIES
Full Address: 297 WEST ST MW1 NEW YORK NY 10013-1327
State: New York
Facility Name: NYC SANITAION - J SCHIAVONE
Facility Address: 297 WEST ST MW1
NEW YORK, NY 10013-1327
Enforcement Action Type: Pre-Referral Negotiation
Facility County: NEW YORK
EPA Region #: 2

Program ID: FRS 110004436771
Facility Name: NYC SANITAION - J SCHIAVONE
Address: 297 WEST ST MW1
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Program ID: RCRAINFO NYD986870145
Facility Name: NYC SANITAION - J SCHIAVONE
Address: 297 WEST ST MW1
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

FINDS:

NYC SANITAION - J SCHIAVONE (Continued) **1000141020**

Registry ID: 110004436771

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

NY MANIFEST:

EPA ID:	NYD986870145
Country:	USA
Location Address 1:	297 WEST STREET
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	WEST #1 DEPT OF SANITATION
Contact:	PAUL L ABBATE
Address:	297 WEST ST
City/State/Zip:	NEW YORK, NY 10013
Country:	USA
Phone:	516-249-3150

Manifest:

Document ID:	NYG1367721
Manifest Status:	Not reported
Trans1 State ID:	NYPD1010
Trans2 State ID:	Not reported
Generator Ship Date:	07/23/1998
Trans1 Recv Date:	07/23/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/24/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD986870145

NYC SANITAION - J SCHIAVONE (Continued) **1000141020**

Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00150
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	1998

K136 **DSNY M DISTRICT 1 GARAGE** **NY UST** **U001840257**
North **297 WEST STREET** **NY HIST UST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.105 mi.
553 ft. **Site 7 of 15 in cluster K**

Relative:
Lower

Actual:
3 ft.

UST:

Id/Status:	2-455830 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/06/2013
UTM X:	583522.69894999999
UTM Y:	4508745.3891700003
Site Type:	Other

Affiliation Records:

Site Id:	20069
Affiliation Type:	Facility Owner
Company Name:	NYC DEPARTMENT OF SANITATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	125 WORTH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 788-4056
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/22/2014

Site Id:	20069
Affiliation Type:	Mail Contact
Company Name:	NYC DEPT. OF SANITATION
Contact Type:	Not reported
Contact Name:	CHIEF OF FACILITIES
Address1:	125 WORTH STREET
Address2:	ROOM 823B
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 788-4056

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	10/22/2014

Site Id:	20069
Affiliation Type:	On-Site Operator
Company Name:	DSNY M DISTRICT 1 GARAGE
Contact Type:	Not reported
Contact Name:	GARAGE SUPERVISOR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 431-1955
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	1/23/2014

Site Id:	20069
Affiliation Type:	Emergency Contact
Company Name:	NYC DEPARTMENT OF SANITATION
Contact Type:	Not reported
Contact Name:	BUREAU OF CLEANING AND COLLECTION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 885-5051
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/28/2012

Tank Info:

Tank Number:	001
Tank ID:	36304
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	12/01/1982
Date Tank Closed:	10/05/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	01
Date Test:	06/01/1994
Next Test Date:	Not reported

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 11/28/2012

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 004
Tank ID: 36307
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 500
Install Date: 12/01/1982
Date Tank Closed: 10/05/2005
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0013
Common Name of Substance: Lube Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 11/28/2012

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 005
Tank ID: 36308
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 500
Install Date: 12/01/1982

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Date Tank Closed:	10/05/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0013
Common Name of Substance:	Lube Oil
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/19/2008

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	006
Tank ID:	36309
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	500
Install Date:	12/01/1982
Date Tank Closed:	10/05/2005
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0012
Common Name of Substance:	Kerosene [#1 Fuel Oil] (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/19/2008

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 007
Tank ID: 36310
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 12/01/1982
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None

Tank Number: 008
Tank ID: 173892
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 04/01/2003
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: 0
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Equipment Records:

E04 - Piping Secondary Containment - Double-Walled (Underground)

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other
B09 - Tank External Protection - Urethane
C03 - Pipe Location - Aboveground/Underground Combination
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

Tank Number:	008-A
Tank ID:	173894
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	11/20/2013
Registered:	True
Tank Location:	Underground
Tank Type:	Z
Material Code:	0013
Common Name of Substance:	Lube Oil
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	01/23/2014

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	009
Tank ID:	214471
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	05/01/2006
Date Tank Closed:	11/20/2013
Registered:	True
Tank Location:	Underground
Tank Type:	Equivalent technology
Material Code:	2710

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Common Name of Substance: Biodiesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: D
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

Tank Number: 010
Tank ID: 214472
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 05/01/2006
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: D
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Equipment Records:

A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

Tank Number: 011
Tank ID: 214474
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 08/01/2006
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2710
Common Name of Substance: Biodiesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: D
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Equipment Records:

B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

Tank Number: 012
Tank ID: 214477
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 08/01/2006
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Equivalent technology
Material Code: 2712
Common Name of Substance: Gasoline/Ethanol

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Pipe Model: D
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Equipment Records:

B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other
D06 - Pipe Type - Fiberglass Reinforced Plastic (FRP)
G04 - Tank Secondary Containment - Double-Walled (Underground)
I03 - Overfill - Automatic Shut-Off

Tank Number: 013
Tank ID: 250928
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 500
Install Date: Not reported
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Tank Number: 014
Tank ID: 250929
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 500
Install Date: Not reported
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Tank Number: 015

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Tank ID:	253379
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	08/22/2014
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	10/22/2014

Tank Number:	1
Tank ID:	36306
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	12/01/1982
Date Tank Closed:	07/17/2006
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	01
Date Test:	06/01/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/19/2008

Equipment Records:

E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number:	2
Tank ID:	36305
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	12/01/1982
Date Tank Closed:	07/17/2006

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	01
Date Test:	06/01/1994
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	09/19/2008

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	5
Tank ID:	60331
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	12/01/2000
Date Tank Closed:	11/20/2013
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	01/23/2014

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other
B04 - Tank External Protection - Fiberglass

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

E04 - Piping Secondary Containment - Double-Walled (Underground)
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: 6
Tank ID: 60332
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 12/01/2000
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 0010
Common Name of Substance: Hydraulic Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR
Last Modified: 01/23/2014

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other
C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number: 7
Tank ID: 60333
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: 12/01/2000
Date Tank Closed: 11/20/2013
Registered: True
Tank Location: Underground
Tank Type: Fiberglass coated steel
Material Code: 0015
Common Name of Substance: Motor Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: NRLOMBAR

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Last Modified: 01/23/2014

Equipment Records:

C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)
F04 - Pipe External Protection - Fiberglass
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L99 - Piping Leak Detection - Other
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)

HIST UST:

PBS Number:	2-455830
SPDES Number:	Not reported
Emergency Contact:	BUREAU OF CLEANING &COLLECTION
Emergency Telephone:	(212) 788-4054
Operator:	NYC DEPT OF SANITATION, NY
Operator Telephone:	(212) 431-1955
Owner Name:	NYC DEPT OF SANITATION
Owner Address:	125 WORTH STREET - RM #823
Owner City,St,Zip:	NEW YORK, NY 10013
Owner Telephone:	(212) 788-4054
Owner Type:	Local Government
Owner Subtype:	The City of New York
Mailing Name:	NYC DEPT OF SANITATION
Mailing Address:	125 WORTH STREET
Mailing Address 2:	RM #823
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Contact:	CHIEF OF FACILITIES F LEG
Mailing Telephone:	(212) 788-4077
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	297 WEST STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	04/27/2001
Expiration Date:	12/06/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	18550
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data

DSNY M DISTRICT 1 GARAGE (Continued) **U001840257**

Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	008
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNKNOWN
Tank Type:	Not reported
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Not reported
Dispenser:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Major Data Missing (which is on the certificate)
Date Closed:	12/01/2000
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

M137 **SLEIGHT & HELLMUTH DIV CENTURY INKS** **RCRA NonGen / NLR** **1000252630**
SSE **34 HUBERT ST** **FINDS** **NYD080423064**
< 1/8 **NEW YORK, NY 10013**
0.106 mi.
560 ft. **Site 1 of 5 in cluster M**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SLEIGHT & HELLMUTH DIV CENTURY INKS
Facility address:	34 HUBERT ST NEW YORK, NY 10013
EPA ID:	NYD080423064
Mailing address:	HUBERT ST NEW YORK, NY 10013
Contact:	CHARLES DEGL
Contact address:	HUBERT ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 966-4155
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

SLEIGHT & HELLMUTH DIV CENTURY INKS (Continued) **1000252630**

Owner/Operator Summary:
Owner/operator name: CENTURY INKS CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CENTURY INKS CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: SLEIGHT & HELLMUTH DIV CENTURY INKS
Classification: Not a generator, verified

Date form received by agency: 08/18/1980
Site name: SLEIGHT & HELLMUTH DIV CENTURY INKS
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: K086
. Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

SLEIGHT & HELLMUTH DIV CENTURY INKS (Continued) **1000252630**

Violation Status: No violations found

FINDS:

Registry ID: 110004371037

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

K138 **LOT 9,TAXBLOCK 595** **NY E DESIGNATION** **S110670444**
NNE **536I CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.106 mi.
560 ft. **Site 8 of 15 in cluster K**

Relative:
Lower

Actual:
6 ft.

E DESIGNATION:
Tax Lot(s): 9
Tax Block: 595
Borough Code: Not reported
E-No: E-257
Effective Date: 10/13/2010
Satisfaction Date: Not reported
Ceqr Number: 10DCP039M
Ulurp Number: 100369ZMM
Zoning Map No: 12a

Description: Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date: Not reported

K139 **MANHOLE 28488** **NY Spills** **S104652875**
NNE **CANAL ST/WASHINGTON ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.107 mi.
567 ft. **Site 9 of 15 in cluster K**

Relative:
Higher

Actual:
7 ft.

SPILLS:
Facility ID: 0002064
Facility Type: ER
DER Facility ID: 74252
Site ID: 80081
DEC Region: 2
Spill Date: 5/18/2000
Spill Number/Closed Date: 0002064 / 5/30/2001
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 3101
Investigator: JHOCONNE
Referred To: Not reported
Reported to Dept: 5/18/2000
CID: 323

MANHOLE 28488 (Continued) **S104652875**

Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/18/2000
Spill Record Last Update:	7/10/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	STEVEN ROMERO
Contact Phone:	(212) 580-6763
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"DEC INSPECTOR'S NOTESCON ED E2MIS REPORT 5-18-005gals. 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 MH28488Cleanup type >500Solid 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.Internediate Cleanup1-55gal. drum containing 10 linear feet oil soaked asbestosVehicle type 2: Corporate transportationLiquid amount : 110 gals. oil/waterLiq. vehicle type: Clena harbors tankerSolid waste was removed to 55 gal. drums.Removed 10 linear ft. Oil soaked asbestos. Cleanup complette 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 4-04-01Clenaup scheduled for 20:00hrs and chemist scheduled for midnight to resample grid points 34 and#8001 - sample 4 1260 <1.00002 - sample 8 none <1.00All grid samples passed. Manhole is cleaned and tag can be removed.
Remarks:	ON 15 GALLONS OF WATER. CLEAN UP PENDING.CON ED# 131483

Material:

Site ID:	80081
Operable Unit ID:	823997
Operable Unit:	01
Material ID:	550442
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

MANHOLE 28488 (Continued) **S104652875**

Tank Test:

G140 **LOT 115,TAXBLOCK 594** **NY E DESIGNATION** **S108075421**
ENE **503 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.108 mi.
570 ft. **Site 21 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	115
Tax Block:	594
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

M141 **415 GREENWICH STREET, LLC** **NY AST** **U004045534**
SSE **415 GREENWICH STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.109 mi.
576 ft. **Site 2 of 5 in cluster M**

Relative:
Higher

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-605869
Program Type:	PBS
UTM X:	583661.19100999995
UTM Y:	4508321.3060999997
Expiration Date:	08/10/2010
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	27735
Affiliation Type:	Mail Contact
Company Name:	BREEZE NATIONAL INC.
Contact Type:	Not reported
Contact Name:	PERRY JACOB
Address1:	31 BAY STREET
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11231
Country Code:	001
Phone:	(718) 254-8070

415 GREENWICH STREET, LLC (Continued) **U004045534**

EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 8/10/2005

Site Id: 27735
Affiliation Type: On-Site Operator
Company Name: 415 GREENWICH STREET, LLC
Contact Type: Not reported
Contact Name: ART R.C. DOLNER
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 645-8505
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 8/10/2005

Site Id: 27735
Affiliation Type: Emergency Contact
Company Name: 415 GREENWICH FEE OWNER, LLC
Contact Type: Not reported
Contact Name: PERRY JACOB
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (347) 234-8505
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 8/10/2005

Site Id: 27735
Affiliation Type: Facility Owner
Company Name: 415 GREENWICH FEE OWNER, LLC
Contact Type: AGENT
Contact Name: ROMEO SANTOS
Address1: 1350 BROADWAY, SUITE 612
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10018
Country Code: 001
Phone: (212) 645-2190
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 8/10/2005

415 GREENWICH STREET, LLC (Continued) **U004045534**

Tank Info:

Tank Number:	01
Tank Id:	60599
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	05/01/2001
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/15/2005
Register:	True
Modified By:	KXTANG
Last Modified:	08/10/2005
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	02
Tank Id:	60600
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron

415 GREENWICH STREET, LLC (Continued) **U004045534**

Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	05/01/2001
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/15/2005
Register:	True
Modified By:	KXTANG
Last Modified:	08/10/2005
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	03
Tank Id:	60601
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	05/01/2001
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/15/2005
Register:	True
Modified By:	KXTANG
Last Modified:	08/10/2005
Material Name:	#2 Fuel Oil (On-Site Consumption)

H142 **CON EDISON MANHOLE: 51683** **RCRA-CESQG 1016150018**
SSW **WEST ST & HUBERT ST SE** **NY MANIFEST NYP004286878**
< 1/8 **NEW YORK, NY 10013**
0.109 mi.
576 ft. **Site 3 of 4 in cluster H**

Relative:
Lower

Actual:
4 ft.

RCRA-CESQG:

Date form received by agency:	02/02/2013
Facility name:	CON EDISON MANHOLE: 51683
Facility address:	WEST ST & HUBERT ST SE

CON EDISON MANHOLE: 51683 (Continued) **1016150018**

NEW YORK, NY 10013
EPA ID: NYP004286878
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JOSE MONTALVO
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 427-1331
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004286878
Country: USA
Location Address 1: E WEST ST SE HUBERT ST
Location Address 2: MH # 51683
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON

CON EDISON MANHOLE: 51683 (Continued) **1016150018**

Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	02/02/2013
Trans1 Recv Date:	02/02/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/05/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004286878
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707453JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

H143 **VARLOTTA CONSTRUCTION CORP.** **NY SWF/LF** **S105841769**
SSW **WEST ST. & HUBERT ST. (LOWER MANHATTAN)** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.109 mi.
576 ft. **Site 4 of 4 in cluster H**

Relative:
Lower

Actual:
4 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	2128957156
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported
Owner Addr2:	Not reported

VARLOTTA CONSTRUCTION CORP. (Continued) **S105841769**

Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	GERARD VARLOTTA; OWNER
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[31T07]
Active:	No
East Coordinate:	Not reported
North Coordinate:	Not reported
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	Not reported
Authorization Date:	Not reported
Expiration Date:	Not reported

G144 **LOT 113,TAXBLOCK 594** **NY E DESIGNATION** **S108075419**
ENE **499 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.110 mi.
579 ft. **Site 22 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	113
Tax Block:	594
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

M145 **30-12 HOBART ST/QUEENS** **NY Spills** **S104495231**
SSE **30-12 HOBART STREET** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.110 mi.
582 ft. **Site 3 of 5 in cluster M**

Relative:
Higher

Actual:
11 ft.

SPILLS:

Facility ID:	9001810
Facility Type:	ER
DER Facility ID:	125062
Site ID:	146884
DEC Region:	2

30-12 HOBART ST/QUEENS (Continued) **S104495231**

Spill Date:	5/16/1990
Spill Number/Closed Date:	9001810 / 5/17/1990
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	4101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	5/16/1990
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Responsible Party
Cleanup Ceased:	5/17/1990
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/22/1990
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	PETRO HEAT & POWER
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks:	CLOGGED VENT PIPE, DRIVER COULD NOT HEAR ALARM, SPILLED OUT OF FILL PIPE & ALSO IN BASEMENT, DEC CONFIRMED CLEAN UP.

Material:

Site ID:	146884
Operable Unit ID:	940065
Operable Unit:	01
Material ID:	436593
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L146 **CON EDISON SERVICE BOX: 36295** **RCRA-CESQG** **1016149774**
NE **483 GREENWICH ST** **NY MANIFEST** **NYP004284402**
< 1/8 **NEW YORK, NY 10013**
0.111 mi.
584 ft. **Site 6 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 36295
Facility address:	483 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004284402
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004284402
Country:	USA

CON EDISON SERVICE BOX: 36295 (Continued) **1016149774**

Location Address 1: 483 GREENWICH ST
Location Address 2: SERV BOX 36295
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/21/2013
Trans1 Recv Date: 01/21/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/22/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004284402
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010456052JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

L147 **CON EDISON SERVICE BOX: 36295** **RCRA-CESQG** **1016149776**
NE **483 GREENWICH ST** **FINDS** **NYP004284428**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.111 mi.
584 ft. **Site 7 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 36294
Facility address:	483 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004284428
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055465624

CON EDISON SERVICE BOX: 36295 (Continued) **1016149776**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284428
Country:	USA
Location Address 1:	483 GREENWICH ST
Location Address 2:	SERV BOX 36294
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/21/2013
Trans1 Recv Date:	01/21/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284428
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010456053JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

CON EDISON SERVICE BOX: 36295 (Continued) **1016149776**

Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

G148 **511 CANAL STREET** **NY AST** **U004045613**
NE **511 CANAL ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.111 mi.
585 ft. **Site 23 of 27 in cluster G**

Relative:
Higher

Actual:
11 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-362026
Program Type: PBS
UTM X: 583686.14676000003
UTM Y: 4508699.7166999998
Expiration Date: 07/06/2005
Site Type: Other

Affiliation Records:
Site Id: 18296
Affiliation Type: Facility Owner
Company Name: ALMAVI ENTERPRISES
Contact Type: Not reported
Contact Name: Not reported
Address1: C/O 268 WEST STREET - 5TH FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 274-1555
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 18296
Affiliation Type: Mail Contact
Company Name: ALMAVI ENTERPRISES
Contact Type: Not reported
Contact Name: JOHN D. MELE
Address1: C/O 268 WEST STREET
Address2: 5TH FLOOR
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 274-1555
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

511 CANAL STREET (Continued) **U004045613**

Site Id:	18296
Affiliation Type:	On-Site Operator
Company Name:	511 CANAL STREET
Contact Type:	Not reported
Contact Name:	MARTY TENDLER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 274-1555
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	18296
Affiliation Type:	Emergency Contact
Company Name:	ALMAVI ENTERPRISES
Contact Type:	Not reported
Contact Name:	JOHN D. MELE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 274-1555
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	25896
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A01 - Tank Internal Protection - Epoxy Liner
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Stainless Steel Alloy
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	Not reported

511 CANAL STREET (Continued) **U004045613**

Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	12/01/1999
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

G149 **LOT 112,TAXBLOCK 594** **NY E DESIGNATION** **S108075418**
ENE **497 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.111 mi.
585 ft. **Site 24 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	112
Tax Block:	594
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

G150 **LOT 111,TAXBLOCK 594** **NY E DESIGNATION** **S108075417**
ENE **495 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.111 mi.
586 ft. **Site 25 of 27 in cluster G**

Relative:
Higher

Actual:
12 ft.

E DESIGNATION:

Tax Lot(s):	111
Tax Block:	594
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

L151 **LOT 84,TAXBLOCK 595** **NY E DESIGNATION** **S108075456**
NNE **484 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.111 mi.
587 ft. **Site 8 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:

Tax Lot(s):	84
Tax Block:	595
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported

L152 **CON EDISON SERVICE BOX: 36290** **RCRA-CESQG** **1016149778**
NNE **484 GREENWICH ST** **FINDS** **NYP004284444**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.111 mi.
587 ft. **Site 9 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 36290
Facility address:	484 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004284444
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No

CON EDISON SERVICE BOX: 36290 (Continued) **1016149778**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055465642

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004284444
Country: USA
Location Address 1: 484 GREENWICH ST
Location Address 2: SERV BOX 36290
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/21/2013
Trans1 Recv Date: 01/21/2013
Trans2 Recv Date: Not reported

CON EDISON SERVICE BOX: 36290 (Continued) **1016149778**

TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284444
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010456054JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

L153 **LIBERTY VIEW CORP** **NY Spills** **S106000371**
NNE **533 CANAL ST** **N/A**
< 1/8 **NEW YORK, NY**
0.111 mi.
587 ft. **Site 10 of 23 in cluster L**

Relative:
Higher

Actual:
8 ft.

SPILLS:

Facility ID:	0109831
Facility Type:	ER
DER Facility ID:	158154
Site ID:	189463
DEC Region:	2
Spill Date:	1/11/2002
Spill Number/Closed Date:	0109831 / 1/11/2002
Spill Cause:	Unknown
Spill Class:	Known release that creates a file or hazard. DEC Response. Unknown Responsible Party. Corrective action taken. (ISR)
SWIS:	3101
Investigator:	EXROSSAN
Referred To:	Not reported
Reported to Dept:	1/11/2002
CID:	405
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	1/11/2002
Recommended Penalty:	False
UST Trust:	False

LIBERTY VIEW CORP (Continued) **S106000371**

Remediation Phase:	0
Date Entered In Computer:	1/11/2002
Spill Record Last Update:	1/14/2002
Spiller Name:	CALLER
Spiller Company:	BAYSIDE FUEL OIL
Spiller Address:	1820 CROSPEY AVE
Spiller City,St,Zip:	BROOKLYN, NY 11214-
Spiller Company:	001
Contact Name:	SUSAN SOLOMAN
Contact Phone:	(212) 475-8811
DEC Memo:	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.
Remarks:	caller states spill poss from a vent pipe - under investiagtion - clean up in progress

Material:

Site ID:	189463
Operable Unit ID:	846978
Operable Unit:	01
Material ID:	527477
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L154 **LOT 59,TAXBLOCK 595** **NY E DESIGNATION** **S108075434**
NNE **533 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.111 mi.
587 ft. **Site 11 of 23 in cluster L**

Relative:
Higher

Actual:
8 ft.

E DESIGNATION:

Tax Lot(s):	59
Tax Block:	595
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

L155 **LIBERTY VIEW CORP.** **NY AST** **U003396988**
NNE **533 CANAL STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10012**
0.111 mi.
587 ft. **Site 12 of 23 in cluster L**

Relative:
Higher

Actual:
8 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-603089
Program Type:	PBS
UTM X:	583632.01418000006
UTM Y:	4508751.2844700003
Expiration Date:	08/05/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	25043
Affiliation Type:	Facility Owner
Company Name:	LIBERTY VIEW CORPORATION
Contact Type:	PRESIDENT
Contact Name:	RICHARD BARREIT
Address1:	533 CANAL ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(609) 658-4742
EMail:	Not reported
Fax Number:	Not reported
Modified By:	LSZINOMA
Date Last Modified:	12/11/2014

Site Id:	25043
Affiliation Type:	Mail Contact
Company Name:	LIBERTY VIEW CORPORATION
Contact Type:	PRESIDENT
Contact Name:	RICHARD BARREIT
Address1:	533 CANAL ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(609) 658-4742
EMail:	Not reported
Fax Number:	Not reported
Modified By:	LSZINOMA
Date Last Modified:	12/11/2014

Site Id:	25043
Affiliation Type:	On-Site Operator
Company Name:	LIBERTY VIEW CORP.
Contact Type:	Not reported
Contact Name:	VICTORIA FAUST
Address1:	Not reported
Address2:	Not reported
City:	Not reported

LIBERTY VIEW CORP. (Continued) **U003396988**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-4838
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	25043
Affiliation Type:	Emergency Contact
Company Name:	LIBERTY VIEW CORPORATION % BOND STREET BLDG. MGMT.
Contact Type:	Not reported
Contact Name:	VICTORIA FAUST
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-4838
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1
Tank Id:	52980
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Concrete
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1995
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LSZINOMA
Last Modified:	12/11/2014

LIBERTY VIEW CORP. (Continued) **U003396988**

Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-603089
SWIS Code:	6201
Operator:	SCOTT KAMEN
Facility Phone:	(212) 979-9286
Facility Addr2:	Not reported
Facility Type:	APARTMENT BUILDING
Emergency:	SCOTT KAMEN
Emergency Tel:	(212) 979-9286
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	LIBERTY VIEW CORPORATION
Owner Address:	33 BOND STREET
Owner City,St,Zip:	NEW YORK, NY 10012
Federal ID:	Not reported
Owner Tel:	(212) 979-9286
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MR. SCOTT KAMEN
Mailing Name:	LIBERTY VIEW CORPORATION
Mailing Address:	BOND STREET BUILDING MGMT.
Mailing Address 2:	33 BOND STREET
Mailing City,St,Zip:	NEW YORK, NY 10012
Mailing Telephone:	(212) 979-9286
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/24/2000
Expiration:	08/05/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	1
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Concrete
Tank Internal:	0

LIBERTY VIEW CORP. (Continued) **U003396988**

Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	00
Dispenser Method:	Not reported
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

M156 **CON EDISON MANHOLE 36257** **RCRA NonGen / NLR** **1014918717**
SSE **GREENWICH ST & HUEBERT ST** **NY MANIFEST** **NYP004223368**
< 1/8 **NEW YORK, NY 10013** **NJ MANIFEST**
0.112 mi.
593 ft. **Site 4 of 5 in cluster M**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/05/2011
Facility name:	CON EDISON MANHOLE 36257
Facility address:	GREENWICH ST & HUEBERT ST NE COR NEW YORK, NY 10013
EPA ID:	NYP004223368
Mailing address:	IRVING PL RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

CON EDISON MANHOLE 36257 (Continued) **1014918717**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/06/2011
Site name: CON EDISON MANHOLE 36257
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004223368
Country: USA
Location Address 1: N/E/C GREENWICH & HUEBERT ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: DENNIS HUACON
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2757

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/06/2011
Trans1 Recv Date: 01/06/2011
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/11/2011
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004223368
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 1500.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 007655606JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N

CON EDISON MANHOLE 36257 (Continued) **1014918717**

Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

NJ MANIFEST:

EPA Id:	NYP004223368
Mail Address:	IRVING PL RM 828
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	JUAN RODRIGUEZ
Comments:	Not reported
SIC Code:	Not reported
County:	NY061
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	007655606JJK
EPA ID:	NYP004223368
Date Shipped:	1/6/2011
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	CONSOLIDATED EDISON CO OF NY INC MH# 36257
Transporter-1 EPA Facility Name:	CLEAN VENTURE, INC
TSDF EPA Facility Name:	CYCLE CHEM INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00

CON EDISON MANHOLE 36257 (Continued) **1014918717**

Transporter-1 Date:	1/6/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	1/11/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2011 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H111
Quantity:	1,500.00 Pounds

L157 **FORMER GAS STATION** **NY Spills** **S111064019**
NNE **482 GREENWICH ST** **N/A**
< 1/8 **NEW YORK CITY, NY**
0.112 mi.
594 ft. **Site 13 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

SPILLS:

Facility ID:	1102121
Facility Type:	ER
DER Facility ID:	404203
Site ID:	449613
DEC Region:	2
Spill Date:	5/26/2011
Spill Number/Closed Date:	1102121 / 7/22/2011
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	RVKETANI
Referred To:	Not reported
Reported to Dept:	5/26/2011
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/26/2011
Spill Record Last Update:	7/26/2011
Spiller Name:	MARK RAVNER
Spiller Company:	MAGNUM MANAGEMENT
Spiller Address:	482 GREENWICH ST

FORMER GAS STATION (Continued) **S111064019**

Spiller City,St,Zip: MANHATTAN, NY
Spiller Company: 999
Contact Name: MARK RAVNER
Contact Phone: (212) 941-9399
DEC Memo: 05/26/11-The site is an old gas station, currently under construction.Seven 550's filled with concrete has been found. Eastmond & Sons(Lizette Hernandez) doing tank removal. I spoke with Lizette and told her that end point samples should be taken from the tank field and dispenser island area. She told me that she is not sure if the soil is clean. She said a report will be sent to DEC Raphael Ketani. CSL was sent out toMagnum ManagementMB Development Inc594 BroadwayNew York, NY 10012Attn: Mark RavnerCSL in edocs. (sr)5/27/11 - Raphael Ketani. I received a phone message from Mike Haggerty of Albany DER (518) 402-9688. He said that he is in charge of all of the EXXON-MOBIL station spills.Mark Ravner's phone is (212) 941-9399. Ms. Hernandez's phone is (718) 378-3000.6/2/11 - Raphael Ketani. I spoke to Mr. Haggerty. He said that this is the same site that he had dealt with as a long term EXXON-MOBIL gas station spill. The site address was known at the time as 527 Canal Street. The old spill case is #0512342. It was closed on 11/16/09. An NFA letter was sent out by Mr. Chandra of Region 2 DER.I looked up the site in Property Shark and they showed the block and lot as 595 and 52. The alternate addresses were 523 to 531 Canal Street. The site was pictured as an empty lot with a tall steel billboard sign standing on the property. It is a corner lot at the intersection of Canal Street and Greenwich Street on the lower west side of Manhattan. The owner is listed as the City of New York. The property was taken over by the City in 2009.I tried to find a PBS case, but couldn't locate one no matter which address I used.Mr. Haggerty added that the old case had involved the discovery of two USTs. There was gasoline contamination of the soil and the groundwater. There was one "hot" boring. The owner had removed the tanks.I found spill case #0512342 and transfered 2 work plans and 6 reports from this old case into the current spill case E-docs. From the Kleinfelder 3/28/08 Subsurface Investigation Report, 4 borings/wells were installed. SB/MW-3 had a total xylene exceedence for soil. MW-2 and MW-3 had significant groundwater analyte exceedences up to the triple digits. These are the two westernmost wells in the southern (Canal Street) sidewalk. Groundwater flow is to the northeast. From the Kleinfelder 10/24/09 Supplemental SIR, groundwater flow was due north. All of the groundwater 8/26/09 samples from the 7 wells (3 additional wells within the property footprint) were either non-detect or had low individual VOC analyte hits in the low double digits. As a result of the low residual contamination values, the case was closed.7/22/11 - Raphael Ketani. Ms. Hernandez sent me the Eastmond 7/21/11 Closure Report (with NYFD Affidavit of tank removal and DEC CSL) and the York Analytical Labs 6/27/11 report for 4 soil samples. I reviewed the documents. The seven 550 gal. USTs were removed. The soil analyticals indicated no VOC contamination. However, there was minor SVOC contamination. Except for the benzo series of SVOCs, the results were well below the CP-51 limits.I spoke to Mr. Haggerty about the case and the analytical results. He said that I could close the case if I felt that the site had been remediated. I told him that I believed there was only minor residual contamination and so I will close the case.Based upon the information in the Eastmond Closure Report and the York 6/27/11 report, I have determined that the residual contamination is not a threat to the public or the environment.

FORMER GAS STATION (Continued) **S111064019**

	Therefore, I am closing the spill case.7/26/11 - Raphael Ketani. Ms. Hernandez requested that I send an NFA letter to the owners. The letter was sent out today.
Remarks:	Caller reporting that contractor on site states water spilled from a gasoline tank that was filled with concrete slurry to the top. Tank Filled unknown time ago. No cleanup noted as of yet and investigation is pending.

Material:

Site ID:	449613
Operable Unit ID:	1199822
Operable Unit:	01
Material ID:	2196221
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0.25
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L158 **FORMER MOBIL STATION 15-517** **NY Spills** **S107522355**
NNE **527 CANAL STREET** **N/A**
< 1/8 **NEW YORK, NY**
0.112 mi.
594 ft. **Site 14 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

SPILLS:

Facility ID:	0512342
Facility Type:	ER
DER Facility ID:	308623
Site ID:	358637
DEC Region:	2
Spill Date:	1/25/2006
Spill Number/Closed Date:	0512342 / 11/16/2009
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	MJHAGGER
Referred To:	QUARTERLY REPORT BY 8/15/08
Reported to Dept:	1/25/2006
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/25/2006

FORMER MOBIL STATION 15-517 (Continued) **S107522355**

Spill Record Last Update:	11/30/2009
Spiller Name:	PETER SPIEGEL
Spiller Company:	VACANT PROPETRY
Spiller Address:	527 CANAL STREET
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	999
Contact Name:	PETER SPIEGEL
Contact Phone:	(917) 576-0732
DEC Memo:	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) 589-6353Talked 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 Armanc/o Gold & Gold, PC850 Third Avenue -- 19th Floor //CURRENT OWNER//New York, NY 10022Attn: Robert Gold, Esq.Phone -- 212-822-2200My 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, LLCc/o Red Brick Properties, Inc.73 Spring Street -- Suite 201 //POTENTIAL BUYER//New York, NY 10012Attn: David SlavenPhone -- 212-966-7250FAX -- 212-966-7550 Environmental investigation work is being performed by:P.W. Grosser Consulting630 Johnson Avenue, Suite 7Bohemia, NY 11716Attn: Zeb Youngman, Project Manager //ENVIRONMENTAL CONSULTANT//Phone -- 631-589-6353Phone -- 631-589-8705_zeby@pwgrosser.com_ (mailto:zeby@pwgrosser.com) Please also note that: David YudelsonSive Paget & Riesel PC460 Park Avenue //PERSON FOR FUTURE COMMUNICATION//New York, NY 10022-1994Phone -- 212-421-2150FAX -- 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, PrincipalPeter J. Spiegel & Associates, LLCProgram & Project Management Owner & Tenant Representation Consulting639 West End Avenue, No. 16-DNew York, NY 10025 - 7343Cell -- 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 CSL1/31/06 - 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

FORMER MOBIL STATION 15-517 (Continued) **S107522355**

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 transfered 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 Kleinfender East, Inc. dated June 15, 2007.6/26/07: 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,

FORMER MOBIL STATION 15-517 (Continued) **S107522355**

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 borimgs complected 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 Arman430 Washington StreetNew York, NY 100136/3/08: 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-4BTEX (ug/L)---------- 11 ----------3,614 ----------816----------57.3MTBE (ug/L)----------0.87----------10.0----------5. 0----------11.1Date: 4/10/08BTEX (ug/L)----------1. 19----------370----------412----------36MTBE (ug/L)----------1.1----------2.2----------2. 0----------7.2Analytical 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

FORMER MOBIL STATION 15-517 (Continued) **S107522355**

Joe (NYSDEC, Region 2) and sent the spill related file to Michel Haggerty, Remedial Bureau, Section B, Central Office, Albany. 12/29/08 - Haggerty: approved SI work plan to install on-site wells. The existing wells are off-site. 3/24/09 - Haggerty: Sent a letter to Tom Connors, NYCDOB, in order to lift a Stop-Work Order issued by the DOB. in edocs3/31/09 - Haggerty: spoke with Tom Connors from the NYCDOB. The Stop-Work order was issued to the Demolition Crew previously working on-site. The Stop-Work order doesn't effect ExxonMobil/ Kleinfelder's right to investigate the property8/09 - Haggerty: Implementation of the approved work plan was held up due to a DOB Stop-work order at the property and due to re-negotiating access to the property. SI completed in August11/16/09 - Haggerty: issued NFA letter. Spill closed. SI report for 3 on-site MW indicate no unsaturated contamination and limited dissolved contamination (max dissolved BTEX concentration 67ppb in MW-7).

Remarks: CONTAMINATED GROUND WATER:

Material:

Site ID:	358637
Operable Unit ID:	1115874
Operable Unit:	01
Material ID:	2105981
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L159 **LOT 52,TAXBLOCK 595** **NY E DESIGNATION** **S108075432**
NNE **523 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.112 mi.
594 ft. **Site 15 of 23 in cluster L**

Relative:
Higher

Actual:
9 ft.

E DESIGNATION:

Tax Lot(s):	52
Tax Block:	595
Borough Code:	Not reported
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

I160 **CUNY HUNTER COLLEGE - MASTERS OF FINE ARTS BUILDING** **RCRA-CESQG** **1006810629**
East **205 HUDSON ST - FLOORS 1-4** **FINDS** **NYR000114462**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.113 mi.
598 ft. **Site 5 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA-CESQG:

Date form received by agency:	12/02/2013
Facility name:	CUNY HUNTER COLLEGE - MASTERS OF FINE ARTS BUILDING
Facility address:	205 HUDSON ST - FLOORS 1-4 NEW YORK, NY 10013
EPA ID:	NYR000114462
Mailing address:	PARK AVE NEW YORK, NY 10065
Contact:	RICARDO FRANCO
Contact address:	PARK AVE NEW YORK, NY 10065
Contact country:	US
Contact telephone:	(212) 650-4462
Contact email:	GHAUSCHI@HUNTER.CUNY.EDU
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	TRINITY PLACE NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0844
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/26/2003
Owner/Op end date:	Not reported
Owner/operator name:	TRINITY REAL ESTATE - 205 HUDSON STREET
Owner/operator address:	HUDSON ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0867
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/26/2003
Owner/Op end date:	Not reported
Owner/operator name:	PARISH OF TRINITY CHURCH

CUNY HUNTER COLLEGE - MASTERS OF FINE ARTS BUILDING (Continued) **1006810629**

Owner/operator address: FULTON ST
NEW YORK, NY 10038
Owner/operator country: US
Owner/operator telephone: (212) 233-4164
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/30/1928
Owner/Op end date: Not reported

Owner/operator name: CUNY HUNTER COLLEGE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 09/01/2013
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: F002
. Waste name: 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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND

CUNY HUNTER COLLEGE - MASTERS OF FINE ARTS BUILDING (Continued) **1006810629**

SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

Historical Generators:
Date form received by agency: 01/01/2007
Site name: TRINITY REAL ESTATE - 205 HUDSON STREET
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Site name: TRINITY REAL ESTATE - 205 HUDSON STREET
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/26/2003
Site name: TRINITY REAL ESTATE - 205 HUDSON STREET
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110014449640

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000114462
Country: USA
Location Address 1: 205 HUDSON
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: TRINITY REAL ESTATE

CUNY HUNTER COLLEGE - MASTERS OF FINE ARTS BUILDING (Continued) **1006810629**

Contact:	N/S
Address:	205 HUDSON
City/State/Zip:	NEW YORK, NY 10013
Country:	USA
Phone:	718-794-4300

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAC300016672
Trans2 State ID:	NYD982792814
Generator Ship Date:	08/25/2014
Trans1 Recv Date:	08/25/2014
Trans2 Recv Date:	09/09/2014
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000114462
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	KYD985073196
Waste Code:	Not reported
Quantity:	110
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	006916950FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAC300016672
Trans2 State ID:	NYD982792814
Generator Ship Date:	08/25/2014
Trans1 Recv Date:	08/25/2014
Trans2 Recv Date:	09/09/2014
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000114462
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

CUNY HUNTER COLLEGE - MASTERS OF FINE ARTS BUILDING (Continued) **1006810629**

TSDF ID:	KYD985073196
Waste Code:	Not reported
Quantity:	92
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	006916950FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	NYG2895525
Manifest Status:	Not reported
Trans1 State ID:	68235AK
Trans2 State ID:	Not reported
Generator Ship Date:	05/02/2003
Trans1 Recv Date:	05/02/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/05/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000114462
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00250
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00004
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00008
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.

CUNY HUNTER COLLEGE - MASTERS OF FINE ARTS BUILDING (Continued) **1006810629**

Specific Gravity:	01.00
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00016
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

Document ID:	NYG2895534
Manifest Status:	Not reported
Trans1 State ID:	68235AKNY
Trans2 State ID:	Not reported
Generator Ship Date:	05/02/2003
Trans1 Recv Date:	05/02/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/05/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000114462
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00002
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00010
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00750
Units:	P - Pounds
Number of Containers:	001
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2003

I161 **CON EDISON SERVICE BOX: 37292** **RCRA NonGen / NLR** **1016450687**
East **205 HUDSON ST FRONT OF** **NY MANIFEST** **NYP004297131**
< 1/8 **NEW YORK, NY 10013**
0.113 mi.
598 ft. **Site 6 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/28/2013
Facility name:	CON EDISON SERVICE BOX: 37292
Facility address:	205 HUDSON ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004297131
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	03/28/2013
Site name:	CON EDISON SERVICE BOX: 37292
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004297131
Country:	USA
Location Address 1:	FO 205 HUDSON ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING

CON EDISON SERVICE BOX: 37292 (Continued) **1016450687**

Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 03/28/2013
Trans1 Recv Date: 03/28/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/29/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004297131
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 700
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010708337JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

L162 **LOT 83,TAXBLOCK 595** **NY E DESIGNATION** **S108075455**
NNE **486 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.114 mi.
600 ft. **Site 16 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:
Tax Lot(s): 83
Tax Block: 595
Borough Code: MN
E-No: E-116
Effective Date: 8/19/2003
Satisfaction Date: Not reported
Ceqr Number: 03DCP014M
Ulurp Number: 030237 ZMM

LOT 83,TAXBLOCK 595 (Continued) **S108075455**

Zoning Map No: 12a

Description: Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date: Not reported

J163 **181 HUDSON ST** **NY Spills** **S102148820**
ESE **181 HUDSON ST- APT COMP.** **N/A**
< 1/8 **MANHATTAN, NY**
0.114 mi.
603 ft. **Site 5 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	9408937
Facility Type:	ER
DER Facility ID:	65074
Site ID:	68273
DEC Region:	2
Spill Date:	10/5/1994
Spill Number/Closed Date:	9408937 / 10/5/1994
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	10/5/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	10/5/1994
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/2/1994
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	GOTHAM PETRO
Spiller Address:	245 RUSSELL ST
Spiller City,St,Zip:	BROOKLYN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	GAUGE BROKE-CREW ON SCENE CLEANING UP NCB.

Material:

Site ID:	68273
Operable Unit ID:	1003015
Operable Unit:	01
Material ID:	378362
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum

181 HUDSON ST (Continued) **S102148820**

Quantity: 7
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

K164 **CON EDISON SERVICE BOX: 49067** **RCRA-CESQG** **1016149861**
NNE **CANAL ST & WASHINGTON ST SE** **NY MANIFEST** **NYP004285276**
< 1/8 **NEW YORK, NY 10013**
0.115 mi.
605 ft. **Site 10 of 15 in cluster K**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:
Date form received by agency: 01/25/2013
Facility name: CON EDISON SERVICE BOX: 49067
Facility address: CANAL ST & WASHINGTON ST SE
COR
NEW YORK, NY 10013
EPA ID: NYP004285276
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

CON EDISON SERVICE BOX: 49067 (Continued) **1016149861**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004285276
Country: USA
Location Address 1: SEC CANAL ST & WASHINGTON ST
Location Address 2: SERV BOX 49067
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/24/2013
Trans1 Recv Date: 01/24/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004285276
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 1000
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010456777JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N

CON EDISON SERVICE BOX: 49067 (Continued) **1016149861**

Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

K165 **CON EDISON MANHOLE: 49069** **RCRA-CESQG** **1016149830**
NNE **CANAL ST & WASHINGTON ST E** **NY MANIFEST** **NYP004284964**
< 1/8 **NEW YORK, NY 10013**
0.115 mi.
605 ft. **Site 11 of 15 in cluster K**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:
Date form received by agency: 01/23/2013
Facility name: CON EDISON MANHOLE: 49069
Facility address: CANAL ST & WASHINGTON ST E
INTERSECTION
NEW YORK, NY 10013
EPA ID: NYP004284964
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: JUAN RODRIGUEZ
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No

CON EDISON MANHOLE: 49069 (Continued) **1016149830**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004284964
Country: USA
Location Address 1: E INT CANAL ST & WASHINGTON ST
Location Address 2: MH 49069
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/23/2013
Trans1 Recv Date: 01/23/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004284964
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 1500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010408549JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported

CON EDISON MANHOLE: 49069 (Continued) **1016149830**

Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

K166 **CON EDISON SERVICE BOX: 46994** **RCRA-CESQG** **1016149829**
NNE **CANAL ST & WASHINGTON ST SE** **NY MANIFEST** **NYP004284956**
< 1/8 **NEW YORK, NY 10013**
0.115 mi.
605 ft. **Site 12 of 15 in cluster K**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/23/2013
Facility name:	CON EDISON SERVICE BOX: 46994
Facility address:	CANAL ST & WASHINGTON ST SE COR NEW YORK, NY 10013
EPA ID:	NYP004284956
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

CON EDISON SERVICE BOX: 46994 (Continued) **1016149829**

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004284956
Country: USA
Location Address 1: SE COR CANAL & WASHINGTON ST
Location Address 2: SERV BOX 46994
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/23/2013
Trans1 Recv Date: 01/23/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004284956
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010408548JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

K167 **CON EDISON MANHOLE: 49070** **RCRA-CESQG** **1016149838**
NNE **CANAL ST & WASHINGTON ST E** **NY MANIFEST** **NYP004285045**
< 1/8 **NEW YORK, NY 10013**
0.115 mi.
605 ft. **Site 13 of 15 in cluster K**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/24/2013
Facility name:	CON EDISON MANHOLE: 49070
Facility address:	CANAL ST & WASHINGTON ST E INTERSECTION NEW YORK, NY 10013
EPA ID:	NYP004285045
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004285045

CON EDISON MANHOLE: 49070 (Continued) **1016149838**

Country:	USA
Location Address 1:	E 144 CANAL ST & WASHINGTON
Location Address 2:	MH 49070
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/24/2013
Trans1 Recv Date:	01/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285045
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707055JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

K168 **CON EDISON - MANHOLE 28488** **RCRA-LQG** **1016150005**
NNE **NW CO WASHINGTON ST & CANAL ST** **NY MANIFEST** **NYP004286746**
< 1/8 **NEW YORK, NY 10013**
0.115 mi.
605 ft. **Site 14 of 15 in cluster K**

Relative:
Higher

Actual:
7 ft.

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - MANHOLE 28488
Facility address:	NW CO WASHINGTON ST & CANAL ST NEW YORK, NY 10013
EPA ID:	NYP004286746
Mailing address:	IRVING PL 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	IRVING PL 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2757
Contact email:	HUACOND@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	02/01/2013
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	02/01/2013
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

CON EDISON - MANHOLE 28488 (Continued) **1016150005**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 02/01/2013
Site name: CON EDISON MANHOLE: 28488
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004286746
Country: USA
Location Address 1: NW COR WASHINGTON & CANAL ST
Location Address 2: SERV BOX 28488
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 02/01/2013
Trans1 Recv Date: 02/01/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/01/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004286746
Trans1 EPA ID: Not reported

CON EDISON - MANHOLE 28488 (Continued) **1016150005**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	10000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707452JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

I169 **ROADWAY** **NY Spills** **S103570603**
East **CANAL AT HUDSON ST** **N/A**
< 1/8 **MANHATTAN, NY**
0.115 mi.
606 ft. **Site 7 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	9701459
Facility Type:	ER
DER Facility ID:	188968
Site ID:	229192
DEC Region:	2
Spill Date:	5/2/1997
Spill Number/Closed Date:	9701459 / 5/2/1997
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	5/2/1997
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/2/1997
Spill Record Last Update:	5/5/1997
Spiller Name:	UNKNOWN
Spiller Company:	UNKNOWN

ROADWAY (Continued) **S103570603**

Spiller Address: UNKNOWN
Spiller City,St,Zip: UNKNOWN, NY
Spiller Company: 999
Contact Name: HAL ROBERTS
Contact Phone: (201) 714-7438
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"
Remarks: INFO RELAYED TO PORT AUTHORITY THAT A TRUCK HAD GAS SPILL OUTOF TANK POSSIBLY FROM OVERFILL-SPILL HAS BEEN CLEANED UP FROMPAVEMENT

Material:
Site ID: 229192
Operable Unit ID: 1044099
Operable Unit: 01
Material ID: 338011
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 1
Units: Gallons
Recovered: Yes
Resource Affected: Not reported
Oxygenate: False

Tank Test:

I170 **CON EDISON MANHOLE: 28505** **RCRA NonGen / NLR** **1016968819**
ENE **470 CANAL ST** **NY MANIFEST** **NYP004424511**
< 1/8 **NEW YORK, NY 10013**
0.115 mi.
606 ft. **Site 8 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:
Date form received by agency: 02/23/2014
Facility name: CON EDISON MANHOLE: 28505
Facility address: 470 CANAL ST
NEW YORK, NY 10013
EPA ID: NYP004424511
Mailing address: IRVING PL, 15TH FL NE
NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

CON EDISON MANHOLE: 28505 (Continued) **1016968819**

Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/23/2014
Site name:	CON EDISON MANHOLE: 28505
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004424511
Country:	USA
Location Address 1:	F/O 470 CANAL ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10020
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PLACE
Address 2:	15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	01/23/2014
Trans1 Recv Date:	01/23/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/28/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004424511
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	600
Units:	P - Pounds

CON EDISON MANHOLE: 28505 (Continued) **1016968819**

Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002328659GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

G171 **EDR US Hist Auto Stat** **1015516780**
ENE **489 CANAL ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.115 mi.
609 ft. **Site 26 of 27 in cluster G**

Relative:
Higher

Actual:
13 ft.

EDR Historical Auto Stations:

Name:	SOHO AUTO REPAIR
Year:	2010
Address:	489 CANAL ST
Name:	SOHO AUTO REPAIR
Year:	2011
Address:	489 CANAL ST
Name:	SOHO AUTO REPAIR
Year:	2012
Address:	489 CANAL ST

G172 **VACANT LOT (FORMER GAS STATION)** **NY Spills** **S116553805**
ENE **489-493 CANAL STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.115 mi.
609 ft. **Site 27 of 27 in cluster G**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	1312004
Facility Type:	ER
DER Facility ID:	447843
Site ID:	492942
DEC Region:	2
Spill Date:	3/24/2014
Spill Number/Closed Date:	1312004 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	3101
Investigator:	JBVOUGHT
Referred To:	Not reported

VACANT LOT (FORMER GAS STATION) (Continued) **S116553805**

Reported to Dept:	3/24/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	3/24/2014
Spill Record Last Update:	10/3/2014
Spiller Name:	CLIFF BELL
Spiller Company:	CANAL PROPERTIES INC
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	CLIFF BELL
Contact Phone:	(212) 594-8140
DEC Memo:	3/24/14-Zhune spoke to Cliff from GZA (212-594-8140. He said the owner supplied him with the Phase I and Phase II including refence of residual petroleum compounds in soil and groundwater. The site is an E designated site. He spoke to OER Dan Walsh to move forward with their program and Dan asked him to call in the spill to DEC. He will send a copy of the RAWP when finalized.3/25/14-Vought-Received email from OER Hannah Moore(Ph:212-442-6372) that "Hi Randy and Jeff - OER asked Site at 219 Hudson Street to call in this spill (1312004). Can you tell us who has been assigned to this one? Thanks, and hope all is well,Hannah" Vought sent reply that "Hannah/Shaminder, The spill is assigned to Veronica Zhune and you can also reach her at 718-482-7305. As per Veronica's notes from yesterday:"3/24/14-Zhune spoke to Cliff from GZA (212-594-8140. He said the owner supplied him with the Phase I and Phase II including refence of residual petroleum compounds in soil and groundwater. The site is an E designated site. He spoke to OER Dan Walsh to move forward with their program and Dan asked him to call in the spill to DEC. He will send a copy of the RAWP when finalized." Please note that Veronica will also be out on vacation in April so you can contact me with significant questions or concerns on ANY of her sites while she is away.Thanks."3/26/14-Vought-DEC Zhune and Vought received email from DEP Morris that "Hi Veronica and Jeff,As we discussed, I just sent you both a link to the dropbox folder containing the Phase I and II for the above referenced site. We will give you a call tomorrow at 4:00 to discuss what is needed to close out the spill. Best, Samantha Morris (SMorris@dep.nyc.gov (212) 341-2082))"3/27/14-Vought-Sent email to Samanatha Morris at DEP with cc to Hannah and Shaminder that "Samantha, Unfortunately we will not be available at 4pm and as Veronica only has two days left and she has many tasks prior to her departure. To save both time and effectuate review, please send me a copy of the PDF and I will make every effort to review it in a timely fashion and get back to you and OER with a call (or email if review is simple). I noted you put a copy on the Dropbox website, however, we cannot access this via DEC computers so I would much appreciate if you could place it on our file share website at https://fts.dec.state.ny.us/fts/ Thanks for your patience." OER Morris replied that "Hi Jeff,Thanks for the update, we certainly

VACANT LOT (FORMER GAS STATION) (Continued) **S116553805**

understand. I uploaded the files on your share website. Please let me know if you have problems accessing them."4/15/14-Vought-Received call from and spoke to NYCOER Chawla and Moore and site will be redeveloped and spill cross gradient from site that OER worked with DEC and footing installed for large sign. They requested review of report. Development includes excavation of site to 4'bg.4/18/14-Vought-Spill reassigned from DEC Zhune to Vought. Complete file review by Vought:NYCDOB Database: Alternate addresses include 489-493 Canal Street and 219-223 Hudson Street. Vought changed spill address to these from original reported address of 219 Hudson Street.PBS and Spills Database: No other spill found and no PBS listed for site.Environmental Site Assessment(Soil Mechanics Daren Murphy Ph:(516)221-7500 Fax:(516)679-1900))-January 2013. ESA prepared for:Mr. Marc Held c/o Mr. Rafi Gibly311 Church StreetApt #2New York, NY 10013Site is a irregular shaped parcel with a one story brick building, one story wood frame shed, large billboard, construction trailer and asphalt pavement. Property is currently used as a parking lot and has been so since "1990's". On-site shed is used to store vending carts. Site formerly used to have several multi story buildings used for "residential" or "store" purposes and also as a packing box factory in 1905. Property was also used as a gasoline filling station ("with automobile repairs") from the early 1930's to the 1980's. No recognized area of concern found in Phase I other than: Spill at 231-239 Hudson, historical use of property as a gasoline filling station and presence of fill material. "Geotechnical" investigation performed in 2013 concurrent to Phase I ESA. Investigation consisted of two borings and purposed was determine nature of underlying deposits and engineering characteristics. Groundwater was from 7-8'bg. Future hotel located north of site, mutli story buildings to the south, approach to Holland Tunnel to the east and a two story commercial building to the west of the site. Property is currently owned by Canal Properties, Inc. Concrete mat (possibly associated with tanks) noted at property and two fill ports in the city sidewalk "outside the northeastern portion of the property". Client provided Soil Mechanics with paperwork that noted "Receipt, dated November 30, 1990 from T.N.C.C (Jamaica, NY) which states that three (3)550-gallon gas tanks were removed." "Violation Order, dated 9/16/98 regarding the sealing of 7-550-gallon gasoline tanks." Vought spoke with DEC PBS Falvey who noted that USTs must be registered. Site is E-designated. Vought added report to D2.4/21/14-Vought-Continued file review by Vought:Phase II Report (Soil Mechanics Altan Gulum)-3/11/13. Soil Mechanics attempting to "satisfy preliminary requirements" for enrollment in NYCOER VCP. Work included: ground penetrating radar survey; six soil borings with continuous soil sampling, installation of three monitoring wells and installation of three soil vapor probes to a depth of 5'bg. Concrete bases for pumps also at southern portion of site. Doucumentation shows in 1987 seven USTs were pumped and "all fill lines were cemented" and three USTs removed in 1990. GPR survey was "inconclusive" as it did not identify any tanks, pistons or drainage structures. Soil samples GP1, GP2 and GP6 were at concrete mat, GP3 and GP5 were to assess fill material and GP4 was to assess service station building. Soil vapor samples SV1 and SV2 were located to asses soil vapor in vicinity of concrete tank mat, SV3 was located to assess former service station building. Groundwater sample GW3 was located in suspsted upgradient location and GW1 and GW2 were located downgradient (suspected as groundwater flow direction yet to be

VACANT LOT (FORMER GAS STATION) (Continued) **S116553805**

defined site specifically). Groundwater in geotechnical borings was at approximately 7'bg. Soil samples collected at highest PID and at 4'bg. Collection at 4'bg due to "a proposed site redevelopment of approximately 4'bgs, i.e. proposed building will not employ a basement and foundations will be pile supported". Due to poor recovery only one soil sample was collected from GP4, GP and GP6. Visual and olfactory observations of soil showed no "obvious signs of petroleum contamination". Highest PID was 42ppm in surface soils 0-2'bg. Soil vapor analyses show signs of petroleum contamination in BTEX and degradation compounds. Soil analyses show: 51,500ppb ethylbenzene(GP1 4-6'bg), 6,600ppb xylene(GP1 4-6'bg), 19,400ppb isopropylbenzene(GP1 4-6'bg), 809ppb toluene(GP5 0-2'bg), 1,1110ppb ethylbenzene(GP5 0-2'bg), 6,440ppb xylene(GP5 0-2'bg). SVOC PAH minor exceedences noted attributable to fill material. Due to analyticals, Vought changed Spill Material in report from "unknown material" to gasoline. Groundwater analyses show: 89ppb benzene(MW1), 74ppb ethylbenzene(MW1), 141 ispopropylbenzene(MW1), 836ppb napthalene(MW1), 5ppb benzene(MW2) and 17ppb napthalene(MW2). Report concludes that there was a "release of petroleum hydrocarbons into the environment at concentrations that are, in our opinion, likely to represent priority for further investigation and possibly remediation do the NYSDEC Petroleum Spills Division." Report also concludes that "environmental quality of the subject property has not been adversely impacted as a result of the hydrodynamically up gradient off sie open status.." spill site. Report also notes that due to soil vapor contamination, a SSDS will be required but does not state whether it will be active or passive. Vought added report to E-docs.4/21/14-Vought-Sent email to NYCOER Morris/Moore with cc to NYCOER Chawla that "Samantha/Hannah, Thanks for your patience on the review of the above referenced reports. I have reviewed the entire file and transferred the project to myself due to Veronica's extended vacation. The Department's requirements are as follows:1)Investigation of remote fills via soil borings "outside the northeastern portion of the property" as per Phase I.2)As per Phase I "Client provided Soil Mechanics with paperwork that noted "Receipt, dated November 30, 1990 from T.N.C.C (Jamaica, NY) which states that three (3)550-gallon gas tanks were removed." "Violation Order, dated 9/16/98 regarding the sealing of 7-550-gallon gasoline tanks." Vought spoke with DEC PBS Falvey who noted that USTs must have a Petroleum Bulk Storage Registration.3)Installation of proposed vapor mitigation due to petroleum VOC's in soil vapor samples from Phase II (submission of proposal for active or passive system?) and possible NYCDOH or NYSDOH review of system as well as OM&M Plan, if SSDS is active.4)CAMP due to proposed excavation of documented soil contamination and high traffic surrounding site.5)Installation of three wells in surrounding sidewalks with determination of site specific groundwater flow to achieve delineation of documented groundwater contamination (and no plans for dewatering as development not into water table and entire source). These wells can be installed after development if needed.I included some of my reasoning above along with the requirements, however, as always, if you have any concerns or questions let me know so that we may be consistent across both agencies. If you like I can also formalize this in a letter. I am assuming the next step will be submission of Remedial Action Plan and if so, I look forward to reviewing it to ensure it meets the above.Thanks again," 6/10/14-Vought-Received call from and spoke to GZA Bell and discussed above requirements and they are finalizing

VACANT LOT (FORMER GAS STATION) (Continued) **S116553805**

Remedial Investgation Report and a copy will be sent to Vought. Vought should receive RIR by end of month. Depth to water is 7'bg and foundation depth is just above that and they will have to dewater for installation of elevator pit. GZA Bell discussed pumping of groundwater from one portion of the site to another portion of the site and Vought suggested to send email.6/13/14-Vought-Received email from GZA Bell that "Jeff: Thank you for taking my call yesterday. Here is my question: The depth to groundwater at the site is approximately 7 feet below grade. Based on analytical data from monitoring wells at the site, there are residual petroleum impacts in one portion of the 60' by 90' site, but there are no impacts in other portions of the site. The proposed construction includes a cellar level to approximately 6 feet below grade. As a result, dewatering will be necessary for foundation features such as the elevator shaft and grade beams thereby requiring localized dewatering for limited periods. Is there a scenario acceptable to the NYSDEC whereby we may conduct intermittent pumping a portion of the site where the groundwater is less impacted to a recharge infiltration pit on another portion of the site that is more impacted? Thank you." 6/18/14-Vought-Spoke with DEC Permits (Watts) and DEC Water Unit (Southwell) with regards to above inquiry on 6/13. As per Southwell, a SPDES permit is not needed, however, a Stipulation Agreement would be needed as well as the associated benzene sampling requirements for discharge as per the Stipulation Guidance. Southwell and Watts noted that the most effective solution was to obtain a DEP discharge permit with associated discharge sampling, however, Southwell noted that in some areas of NYC this is not possible due to a lack of a combined sewer. Vought semt email to GZA Bell noting above as well as with attached Guidance for Stipulation Agreement with cc to OER Moore and Chawla. Vought sent email to GZA Bell that "Cliff, I spoke with DEC Permits and DEC Water Unit with regards to you below inquiry on 6/13. As per the Water Unit, a SPDES permit is not needed, however, a Stipulation Agreement would be needed as well as the associated benzene sampling requirements for discharge as per the Stipulation Guidance (attached below). Both Units noted that usually the most effective solution was to obtain a DEP discharge permit with associated DEP discharge sampling, however, the Water Unit noted that in some areas of NYC this is not possible due to a lack of a combined sewer. Note that I have copied NYCOER above as they may have additional concerns or questions with issuance of a Stipulation Agreement for the site.Thanks and keep me posted." 9/22/14-Vought-Email from OER Chawla that "Jeff and Veronica: Spill on this property was opened on March 24th during remedial investigations. We have draft RIR and RAWP for the above Spill. We will be issuing an application factsheet requesting comments in next 30 days. Remediation for OER purposes at this Site includes: 1.Track 4 remedy that requires excavation and removal of soil/fill exceeding Track 4 Site Specific SCOs. Excavation for construction of the new building's cellar level would take place to a depth of approximately 9 to 12 feet bgs across the Site. A small portion (elevator shaft area) will be further excavated to depths of 15 feet bgs. Approximately 1,500 cubic yards or 2,300 tons of soil will be excavated and removed from this Site. 2. Vapor barrier/waterproofing 3. Concrete Cap. We also have following two bullets for Spill: 1. Performance of a remedial action for the petroleum spill #13-12004 under New York State Department of Environmental Conservation (NYSDEC) Spill program. This remedial action will consist of

VACANT LOT (FORMER GAS STATION) (Continued) **S116553805**

installation and monitoring of groundwater monitoring wells as required and approved by NYSDEC. A separate RAWP addendum will be prepared and submitted to DEC. This RAWP does not alter or interfere with the remedial action for the petroleum spill. 2. Request for closure of onsite petroleum spill number 13-12004 under the authority of NYSDEC pending the results of the investigation and remediation and in accordance with CP-51 soil cleanup objectives. This RAWP does not alter or interfere with the remedial action for the petroleum spill. A separate Spill closure report will be prepared and submitted to NYSDEC. I will send you factsheet later today. Here is link to reports:
https://www.dropbox.com/sh/f1buqgaauuikxhy/AABko6CnPypiJ7Jk92csiJ-ta?dl=0. Please let me know if you have any concerns. Thanks, Shaminder." Vought added RIR and RAWP to D2 and reviewed:Remedial Investigation Report (GZA Geonenvironmental)-June 2014. Construction site to the north of the site which will be a future hotel. Report prepared for:HSH Construction, LLC.405 BroadwayNew York, NY 10013Site currently used for "storage" and also has a portable constructin trailer and a base of former billboard sign and site covered with asphalt and a concrete pad in southern part of site. Future use will be a 11-story mixed use hotel and restaurant space planned for the lower two floors and site plans included in RIR. Basement will be "estimated 6 feet below street grade" with mechanical rooms and storage space and estimated depth of excavation to 7’bg. Report that remote fill ports presenet in sidewalk for formerly up to seven (550-gallon) gasoline USTs. "..potentially four (4)USTs remain in-place at the Site." RIR refers to same data from 2013 Soil Mechanics Phase II noted in above Remarks. Two additional groundwater samples collected from MW1 and MW2 in May 2014 and showed up to: 170ppb benzene(MW1), 39ppb toluene(MW1), 590ppb ethylbenzene(MW1) and 170ppb xylene(MW1). Groundwater flow direction not determined to date but suspected to the southwest. Soil vapor samples collected showed no detections above the NYSDOH Air Guideline Values. Sensitive receptor survey and no sensitive receptors within 500 feet of site. Site plan also shows "Approximate Holland Tunnel Structure (Below Canal Street) that runs immediately adjacent to and along the site and (PERSONAL THOUGHT) is most likely the dominant influence for groundwater flow direction due to suspected groundwater flow direction. Total square footage will be occupied by future hotel. Proposed site layout included in RIR as well as summary of findings in Phase II in remarks above. "...depth to water measurements as presented in Appendix at MW-1 and MW-2 are not considered reliable by GZA." RIR also included soil, groundwater and soil vapor sampling results in above remarks. Soil vapor sample analyses showed no NYSDOH Guideline Value exceedences.Remedial Action Work Plan (GZA Geoenvironmental)-August 2014. Remedy includes: Preparation of a Community Protection Statement; CAMP; Remedial action for spill number to include installation and monitoring of groundwater monitoring wells as required and approved by NYSDEC and submission of a separate RAWP Addendum; Request for closure for spill number; Track 4 SCOs for VCP; Site mobilization; Excavtion of soil fill exceeding Track 4 SCOs; Screening of soil for visual/odor/PID; Removal of closed in place USTs and "associated feed lines (if encountered)"; Collection and analysis of endpoint samples; Installation of vapor barrier and water proofing membrane (Grace PrePrufe) (PERSONAL NOTE: Grace is petroleum compatible as per Voughts work on other spill numbers with same manufacturer and

VACANT LOT (FORMER GAS STATION) (Continued) **S116553805**

material). Basement slab to be 2.5 feet thick; Submission of a RAWP and SMP; Continuation of property being registered as NYCDEP E-designated. RAWP has a feasibility study of remedial alternatives. RAWP hot-spots will be "fully removed" and will have separate endpoint samples using DER requirements.10/3/14-Vought-Sent email to OER Chawla that "Shaminder, I am now the Project Manager for the above Spill and have some concerns (minor and major) after review of the RIR and RAWP. They are as follows: 1) Investigation of remote fills via soil borings "outside the northeastern portion of the property" as per Phase I and RIR and not just piping ("as encountered") in RAWP. This is the most important missing part as the RAWP notes that all piping will be removed ("as encountered") so if piping run to remote fill boxes in sidewalk is no longer present, the soil at the remote fills STILL must be investigated and possibly removed if impacted. The majority of petroleum spills is from piping and not the USTs as commonly thought. 2) RAWP comparison to Track 4 (Restricted Commercial) and Spills comparison to Track 1 Unrestricted for possible closure of Spill. This needs no addressing but just an FYI as GZA noted separate RAWP to be submitted to DEC. 3) RAWP notes that the remedial action for Spill to consist of "installation of monitoring wells" where is it primarily composed of excavation of source and impacted materials as well. Needs no formal addressing but just a thought.4) As per Phase I "Client provided Soil Mechanics with paperwork that noted "Receipt, dated November 30, 1990 from T.N.C.C (Jamaica, NY) which states that three (3)550-gallon gas tanks were removed." "Violation Order, dated 9/16/98 regarding the sealing of 7-550-gallon gasoline tanks." Vought spoke with DEC PBS Falvey who noted that USTs must have a Petroleum Bulk Storage Registration. Feel free to send the above directly to GZA if you feel it the best way to open a dialogue. Thanks as always."DEC Possibly Requires:1)cc to NYCOER Chawla, NYCOER Moore, NYCOER Samantha Morris, GZA Bell.2)RAWP comparison to Track 4 (Restricted Commercial) and Spills comparision to Track 1 Unrestricted.3)RAWP notes that remedial action to consist of "installation of monitoring wells" where is is composed of excavation as well.4)Investigation of remote fills via soil borings "outside the northeastern portion of the property" as per Phase I and RIR and not just piping ("as encountered") in RAWP.5)As per Phase I "Client provided Soil Mechanics with paperwork that noted "Receipt, dated November 30, 1990 from T.N.C.C (Jamaica, NY) which states that three (3)550-gallon gas tanks were removed." "Violation Order, dated 9/16/98 regarding the sealing of 7-550-gallon gasoline tanks." Vought spoke with DEC PBS Falvey who noted that USTs must have a Petroleum Bulk Storage Registration.6)Installation of three wells in surrounding sidewalks with determination of site specific groundwater flow, to achieve delineation of documented groundwater contamination (and no plans for dewatering as development not into water table and entire source).7)No determination of groundwater flow due to shallow groundwater at 6-7'g and adjacent Holland Tunnel which most likely dewaters and controls flow direction.

Remarks: Visuable inspection discovered residual petroleum from the ground from potentially UST. Reports available to submit to R2 Spills.

Material:

Site ID:	492942
Operable Unit ID:	1242451
Operable Unit:	01
Material ID:	2243008
Material Code:	0009

VACANT LOT (FORMER GAS STATION) (Continued) **S116553805**

Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

I173 **HOLLAND TUNNEL** **NY Spills** **S102401992**
East **HUDSON STREET** **N/A**
< 1/8 **NEW YORK, NY**
0.116 mi.
615 ft. **Site 9 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	9607106
Facility Type:	ER
DER Facility ID:	124882
Site ID:	146663
DEC Region:	2
Spill Date:	9/5/1996
Spill Number/Closed Date:	9607106 / 6/15/2006
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JHOCONNE
Referred To:	Not reported
Reported to Dept:	9/5/1996
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	9/5/1996
Spill Record Last Update:	6/15/2006
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	CALLER
Contact Phone:	(201) 714-7438
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "O'CONNELL"
Remarks:	truck passing through tunnel spilled approx 4 gallons of fuel. spill completely picked up.

HOLLAND TUNNEL (Continued) **S102401992**

Material:

Site ID:	146663
Operable Unit ID:	1038263
Operable Unit:	01
Material ID:	346374
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	4
Units:	Gallons
Recovered:	4
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

J174 **LOT 3,TAXBLOCK 219** **NY E DESIGNATION** **S110670244**
SE **52 LAIGHT STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.117 mi.
617 ft. **Site 6 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	3
Tax Block:	219
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

L175 **EDR US Hist Auto Stat** **1015516601**
NNE **488 GREENWICH ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.118 mi.
622 ft. **Site 17 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

EDR Historical Auto Stations:

Name:	ACC CAR CARE CTR
Year:	2003
Address:	488 GREENWICH ST

L176 **LOT 82,TAXBLOCK 595** **NY E DESIGNATION** **S108075453**
NNE **488 GREENWICH STREET** **N/A**
< 1/8 **MANHATTAN, NY 10013**
0.118 mi.
622 ft. **Site 18 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

E DESIGNATION:

Tax Lot(s):	82
Tax Block:	595
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported

J177 **LOT 1,TAXBLOCK 215** **NY E DESIGNATION** **S110670104**
SE **10 HUBERT STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.118 mi.
624 ft. **Site 7 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

E DESIGNATION:

Tax Lot(s):	1
Tax Block:	215
Borough Code:	Not reported
E-No:	E-257
Effective Date:	10/13/2010
Satisfaction Date:	Not reported
Ceqr Number:	10DCP039M
Ulurp Number:	100369ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

J178 **FORMER AUTOMOBILE GARAGE** **NY UST** **U004046772**
SE **48 LAIGHT STREET** **NY AST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.121 mi.
637 ft. **Site 8 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

UST:

Id/Status:	2-608150 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/20/2007
UTM X:	583753.17472999997
UTM Y:	4508374.7208099999
Site Type:	Other

Affiliation Records:

Site Id:	30002
Affiliation Type:	Facility Owner

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

Company Name:	48 LAIGHT STREET ASSOC LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	515 MADISON AVENUE, SUITE 1201
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10022
Country Code:	001
Phone:	(212) 421-3535
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30002
Affiliation Type:	Mail Contact
Company Name:	48 LAIGHT STREET ASSOCIATES LLC
Contact Type:	Not reported
Contact Name:	DAVID ENNIS
Address1:	% THE DATEN GROUP
Address2:	515 MADISON AVENUE, SUITE 1201
City:	NEW YORK
State:	NY
Zip Code:	10022
Country Code:	001
Phone:	(212) 421-3535
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30002
Affiliation Type:	On-Site Operator
Company Name:	FORMER AUTOMOBILE GARAGE
Contact Type:	Not reported
Contact Name:	ABANDONED FACILITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 421-3535
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30002
Affiliation Type:	Emergency Contact
Company Name:	48 LAIGHT STREET ASSOC LLC
Contact Type:	Not reported
Contact Name:	DAVID ENNIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 421-3535
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Tank Info:

Tank Number: 03
Tank ID: 64678
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 09/09/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 04
Tank ID: 64679
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 09/09/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 05
Tank ID: 64680
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 09/09/2003
Registered: True
Tank Location: Underground
Tank Type: Concrete
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A01 - Tank Internal Protection - Epoxy Liner
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 06
Tank ID: 64681
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 09/09/2003
Registered: True

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 07
Tank ID: 64682
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: Not reported
Date Tank Closed: 09/09/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 08
Tank ID: 64683

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 2000
Install Date: Not reported
Date Tank Closed: 09/09/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 09
Tank ID: 64684
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 275
Install Date: Not reported
Date Tank Closed: 11/06/2003
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 10
Tank ID: 64685
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 4000
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

AST:
Region: STATE
DEC Region: 2
Site Status: Unregulated/Closed
Facility Id: 2-608150
Program Type: PBS
UTM X: 583753.17472999997
UTM Y: 4508374.7208099999
Expiration Date: 12/20/2007
Site Type: Other

Affiliation Records:
Site Id: 30002
Affiliation Type: Facility Owner
Company Name: 48 LAIGHT STREET ASSOC LLC
Contact Type: Not reported
Contact Name: Not reported
Address1: 515 MADISON AVENUE, SUITE 1201
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10022
Country Code: 001

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

Phone:	(212) 421-3535
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30002
Affiliation Type:	Mail Contact
Company Name:	48 LAIGHT STREET ASSOCIATES LLC
Contact Type:	Not reported
Contact Name:	DAVID ENNIS
Address1:	% THE DATEN GROUP
Address2:	515 MADISON AVENUE, SUITE 1201
City:	NEW YORK
State:	NY
Zip Code:	10022
Country Code:	001
Phone:	(212) 421-3535
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30002
Affiliation Type:	On-Site Operator
Company Name:	FORMER AUTOMOBILE GARAGE
Contact Type:	Not reported
Contact Name:	ABANDONED FACILITY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 421-3535
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30002
Affiliation Type:	Emergency Contact
Company Name:	48 LAIGHT STREET ASSOC LLC
Contact Type:	Not reported
Contact Name:	DAVID ENNIS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 421-3535
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

Tank Info:

Tank Number:	01
Tank Id:	64676
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	07/24/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Waste Oil/Used Oil

Tank Number:	02
Tank Id:	64677
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported

FORMER AUTOMOBILE GARAGE (Continued) **U004046772**

Next Test Date:	Not reported
Date Tank Closed:	07/24/2003
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Waste Oil/Used Oil

J179 **167 HUDSON ST** **NY Spills** **S102141242**
SE **167 HUDSON ST** **N/A**
< 1/8 **NYC, NY**
0.121 mi.
637 ft. **Site 9 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

SPILLS:

Facility ID:	9105513
Facility Type:	ER
DER Facility ID:	244223
Site ID:	302281
DEC Region:	2
Spill Date:	8/16/1991
Spill Number/Closed Date:	9105513 / 8/20/1991
Spill Cause:	Deliberate
Spill Class:	Not reported
SWIS:	3101
Investigator:	GELLER
Referred To:	Not reported
Reported to Dept:	8/21/1991
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	8/20/1991
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	8/29/1991
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	DUMPING WASTE OIL INTO STORM DRAIN. ONGOING FOR TWO MONTHS.

Material:

Site ID:	302281
Operable Unit ID:	959859
Operable Unit:	01
Material ID:	421303
Material Code:	0022
Material Name:	Waste Oil/Used Oil
Case No.:	Not reported
Material FA:	Petroleum

167 HUDSON ST (Continued) **S102141242**

Quantity: -1
Units: Not reported
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

J180 **48 LAIGHT STREET** **NY Spills** **S106008427**
SE **48 LAIGHT STREET** **N/A**
< 1/8 **MANHATTAN, NY**
0.121 mi.
637 ft. **Site 10 of 15 in cluster J**

Relative: Higher

Actual: 13 ft.

SPILLS:
Facility ID: 0306088
Facility Type: ER
DER Facility ID: 125633
Site ID: 226690
DEC Region: 2
Spill Date: 9/9/2003
Spill Number/Closed Date: 0306088 / 9/9/2003
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 3101
Investigator: MXTIPPLE
Referred To: Not reported
Reported to Dept: 9/9/2003
CID: 257
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Citizen
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 9/9/2003
Spill Record Last Update: 7/21/2005
Spiller Name: Not reported
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"ref to spill #0207349
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

Material:
Site ID: 226690
Operable Unit ID: 872681

48 LAIGHT STREET (Continued) **S106008427**

Operable Unit:	01
Material ID:	503325
Material Code:	0064A
Material Name:	UNKNOWN MATERIAL
Case No.:	Not reported
Material FA:	Other
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0207349
Facility Type:	ER
DER Facility ID:	125633
Site ID:	147575
DEC Region:	2
Spill Date:	10/16/2002
Spill Number/Closed Date:	0207349 / Not Reported
Spill Cause:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	aaobliga
Referred To:	REFERRED TO LEGAL, 2/2/10
Reported to Dept:	10/16/2002
CID:	257
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	5
Date Entered In Computer:	10/16/2002
Spill Record Last Update:	11/8/2011
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	STEPHANIE DAVIS
Contact Phone:	(631) 737-6200 228
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "VOUGHT"10/16/02 ARAKHAN/odINVES 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

48 LAIGHT STREET (Continued) **S106008427**

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 gasoline06/02/04 transferred to Vought6/10/04-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. EnnisDayton Group, Inc.515 Madison AvenueSuite 1201New York, NY 10022Ph: 212-421-3366Fax: 212-421-35357/6/04-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

48 LAIGHT STREET (Continued) **S106008427**

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 peformed 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 a 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 sigrade 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) throgh acessible 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 denty 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

48 LAIGHT STREET (Continued) **S106008427**

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 sourthern 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 appeares 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: instllation 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), 31000ppb 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,

48 LAIGHT STREET (Continued) **S106008427**

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 thorugh 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. 4/1/09 - Obligado - I have not received any monitoring reports for this site. I called John Bukowski to find out the status of the monitoring. According to Mr. Bukowski, they presented a proposal to the client but the client declined the offer so no work was performed. 4/2/09 - Obligado - I sent David T. Ennis (Daten Group) a Stipulation Agreement requiring continued investigation and remediation. Required Stipulation to be signed within 15 days of the case would be referred to Legal.4/6/09 - Obligado - Delivery confirmation. STIP due 4/21/09.5/4/09 - Obligado - No STIP received. I called Mr. Ennis to inquire about the Stipulation Agreement. I left a message to call back the DEC.7/2/09 - FPM submits monitoring report. Report confirms GW returned to normal levels in wells. GW contamination is still present. Some of wells have been silted up with several feet of material, possibly a build-up of ORC in wells. 9/14/09 - Obligado - Reviewed Monitoring report, dated 7/2/09. Report documents ground water sampling results. VOCs still present in excess of ground water quality standards. Sent a letter to David Ennis requiring quartelry monitoring, vapor intrusion mitigation details, additional soil and ground water investigation. CC john bukowski and david ennis via email. An

48 LAIGHT STREET (Continued) **S106008427**

Investigation Work Plan is due 30 days from receipt. A quartelry Monitoring Report is due within 90 days. 10/14/09 - Obligado - I received the letter "returned undelivered". Emailed David Ennis requiring updated contact information.11/30/09 - Obligado - REsent letter to 515 Madison Avenue Address. 12/3/09 - Obligado - Received a phone call from Stephanie Davis at FPM. She said Mr. Ennis is willing and able to perform annual ground water monitoring, redevelop the wells, and provide the documentation of the SSDS and vapor barrier. Mr. Ennis will not install additional soil borings and monitoring wells and will not perform quarterly monitoring. I told Stephanie I would discuss the Legal division.12/18/09 - Obligado - I sent an email to Stephanie Davis re-iterating Deparmtent requirements from the 11/30/09 letter.1/19/10 - I reviewed a workplan submitted 1/15/10 which did not meet Department requirements. They propose doing annual ground water monitoring and application of ORC socks in contaminated wells. They also propose to do well re-development and provide hydrographs, contour maps, and SSDS/Vapor Barrier. However, they refuse to do quarterly monitoring and any additional soil borings and monitoring wells. I emailed Stephanie Davis to notify her that this case would be referred to legal.

Remarks: soil samples came back after testing was done

Material:

Site ID:	147575
Operable Unit ID:	858942
Operable Unit:	01
Material ID:	517944
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

L181 **EDR US Hist Auto Stat** **1015517248**
NNE **490 GREENWICH ST** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.122 mi.
646 ft. **Site 19 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

EDR Historical Auto Stations:

Name:	A CHEAP AUTO REPAIR 24 HOUR
Year:	2010
Address:	490 GREENWICH ST
Name:	A CHEEP AUTO REPAIR 24 HOUR
Year:	2011
Address:	490 GREENWICH ST
Name:	A CHEEP AUTO REPAIR 24 HOUR
Year:	2012
Address:	490 GREENWICH ST

I182 **CON EDISON VAULT: 8325** **RCRA NonGen / NLR** **1016973949**
East **2 DESBROSSES ST** **NY MANIFEST** **NYP004477576**
< 1/8 **NEW YORK, NY 10013**
0.122 mi.
646 ft. **Site 10 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/25/2014
Facility name:	CON EDISON VAULT: 8325
Facility address:	2 DESBROSSES ST NEW YORK, NY 10013
EPA ID:	NYP004477576
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	03/25/2014
Site name:	CON EDISON VAULT: 8325
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004477576
Country:	USA
Location Address 1:	DEBROSSES ST & ELY
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

CON EDISON VAULT: 8325 (Continued) **1016973949**

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING ST
Address 2:	15TH ST
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	03/25/2014
Trans1 Recv Date:	03/25/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/27/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004477576
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002406014GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

K183 **HOLLAND TUNNEL NY LAND BUILDING** **NY AST** **U000408702**
NNE **543 CANAL STREET** **N/A**
< 1/8 **NEW YORK, NY 10048**
0.123 mi.
652 ft. **Site 15 of 15 in cluster K**

Relative:
Higher

Actual:
7 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-345385
Program Type:	PBS

HOLLAND TUNNEL NY LAND BUILDING (Continued) **U000408702**

UTM X:	583623.48115999997
UTM Y:	4508758.9594999999
Expiration Date:	12/14/1997
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	16844
Affiliation Type:	Facility Owner
Company Name:	PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 WORLD TRADE CENTER
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10048
Country Code:	001
Phone:	(212) 466-7000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/15/2010

Site Id:	16844
Affiliation Type:	Mail Contact
Company Name:	PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL
Contact Type:	Not reported
Contact Name:	BILL BOLGER.ENVIR.COORDIN
Address1:	13TH AND PROVOST STREETS
Address2:	Not reported
City:	JERSEY CITY
State:	NJ
Zip Code:	07310
Country Code:	001
Phone:	(201) 714-7408
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16844
Affiliation Type:	On-Site Operator
Company Name:	HOLLAND TUNNEL NY LAND BUILDING
Contact Type:	Not reported
Contact Name:	BILL BOLGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(201) 714-7408
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16844

HOLLAND TUNNEL NY LAND BUILDING (Continued) **U000408702**

Affiliation Type:	Emergency Contact
Company Name:	PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported
Contact Name:	BILL BOLGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(201) 714-7500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	YLB
Tank Id:	32771
Material Code:	0000
Common Name of Substance:	Empty

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	12/01/1951
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	02/01/1994
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	Empty

I184 **CON EDISON - SERVICE BOX 37286** **RCRA-LQG** **1016149923**
East **185 HUDSON ST** **FINDS** **NYP004285912**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.124 mi.
654 ft. **Site 11 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - SERVICE BOX 37286
Facility address:	185 HUDSON ST NEW YORK, NY 10013
EPA ID:	NYP004285912
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2757
Contact email:	HUACOND@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/28/2013
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/28/2013
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

CON EDISON - SERVICE BOX 37286 (Continued) **1016149923**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 01/28/2013
Site name: CON EDISON SERVICE BOX: 37286
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110055468792

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:
EPA ID: NYP004285912
Country: USA
Location Address 1: 185 HUDSON ST
Location Address 2: SERV BOX 37286
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

CON EDISON - SERVICE BOX 37286 (Continued) **1016149923**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/28/2013
Trans1 Recv Date:	01/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285912
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	4000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010840385JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

I185 **RAPOPORT METROPOLITAN PRINTING CORP** **RCRA NonGen / NLR** **1004760313**
East **195 HUDSON ST** **FINDS** **NYR000039875**
< 1/8 **NEW YORK, NY 10013** **NY MANIFEST**
0.124 mi.
655 ft. **Site 12 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	RAPOPORT METROPOLITAN PRINTING CORP
Facility address:	195 HUDSON ST NEW YORK, NY 10013
EPA ID:	NYR000039875
Mailing address:	VAN DAM ST LONG ISLAND CITY, NY 11101
Contact:	ELAINE DONNELLY
Contact address:	VAN DAM ST LONG ISLAND CITY, NY 11101
Contact country:	US
Contact telephone:	(718) 784-7400
Contact email:	Not reported

RAPOPORT METROPOLITAN PRINTING CORP (Continued) **1004760313**

EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: SIDNEY RAPOPORT
Owner/operator address: 47-47 VAN DAM ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-7400
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SIDNEY RAPOPORT
Owner/operator address: 47-47 VAN DAM ST
LONG ISLAND CITY, NY 11101
Owner/operator country: US
Owner/operator telephone: (718) 784-7400
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: RAPOPORT METROPOLITAN PRINTING CORP
Classification: Not a generator, verified

Date form received by agency: 05/28/1997
Site name: RAPOPORT METROPOLITAN PRINTING CORP
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

RAPOPORT METROPOLITAN PRINTING CORP (Continued) **1004760313**

. Waste code: K086
. Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

Violation Status: No violations found

FINDS:

Registry ID: 110019274845

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:
EPA ID: NYR000039875
Country: USA
Location Address 1: 195 HUDSON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: RAPOPORT METROPOLITAN
Contact: ELAINE DONNELLY
Address: 47-47 VAN DAM ST
City/State/Zip: LONG ISLAND CITY, NY 11104
Country: USA
Phone: 718-784-7400

Manifest:

Document ID: NYG0212904
Manifest Status: Completed copy
Trans1 State ID: PX3640
Trans2 State ID: Not reported
Generator Ship Date: 06/05/1997
Trans1 Recv Date: 06/05/1997
Trans2 Recv Date: / /
TSD Site Recv Date: 06/05/1997
Part A Recv Date: 06/12/1997
Part B Recv Date: 06/17/1997
Generator EPA ID: NYR000039875
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00305
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels

RAPOPORT METROPOLITAN PRINTING CORP (Continued) **1004760313**

Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00085
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

I186 **RAPOPORT METROPOLITAN PRINTING CORP** **RCRA NonGen / NLR** **1007206790**
East **195 HUDSON STREET** **FINDS** **NYP004030466**
< 1/8 **NEW YORK CITY, NY 10013** **NY MANIFEST**
0.124 mi.
655 ft. **Site 13 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/03/2001
Facility name:	V0186
Facility address:	195 HUDSON STREET NEW YORK CITY, NY 10013
EPA ID:	NYP004030466
Mailing address:	CONSOLIDATED EDISON INC. 4 IRVING PLACE -- ROOM 300 NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC. NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No

RAPOPORT METROPOLITAN PRINTING CORP (Continued) **1007206790**

Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/02/2001
Site name: V0186
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Site name: V0186
Classification: Large Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110001613228

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:
EPA ID: NYP004030466
Country: USA
Location Address 1: V186-195 HUDSON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10001
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0255510
Manifest Status: Not reported
Trans1 State ID: 20855AD
Trans2 State ID: Not reported
Generator Ship Date: 02/12/1999
Trans1 Recv Date: 02/12/1999

RAPOPORT METROPOLITAN PRINTING CORP (Continued) **1007206790**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/12/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004030466
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	01409
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1999

I187 **RARAPORT PRINTING CORP.** **NY AST** **U003127210**
East **195 HUDSON STREET** **NY HIST AST** **N/A**
< 1/8 **NEW YORK, NY 10014**
0.124 mi.
655 ft. **Site 14 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-602786
Program Type:	PBS
UTM X:	583793.42920000001
UTM Y:	4508407.1736099999
Expiration Date:	01/30/2008
Site Type:	Private Residence

Affiliation Records:

Site Id:	24742
Affiliation Type:	Facility Owner
Company Name:	195 HUDSON STREET CONDOMINIUM % ANDREWS BLDG. CORP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	195 HUDSON ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24742
Affiliation Type:	Mail Contact
Company Name:	ANDREWS BUILDING CORP.
Contact Type:	Not reported
Contact Name:	MICHAEL SCHENKER
Address1:	666 BROADWAY

RARAPORT PRINTING CORP. (Continued) **U003127210**

Address2:	12TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10012
Country Code:	001
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24742
Affiliation Type:	On-Site Operator
Company Name:	RAPAPORT PRINTING CORP.
Contact Type:	Not reported
Contact Name:	PALIBIO HERNANDEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 274-9541
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24742
Affiliation Type:	Emergency Contact
Company Name:	195 HUDSON STREET CONDOMINIUM % ANDREWS BLDG. CORP
Contact Type:	Not reported
Contact Name:	MICHAEL SCHENKER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 529-5689
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	51567
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

RARAPORT PRINTING CORP. (Continued) **U003127210**

F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I99 - Overfill - Other
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	11/01/1999
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-602786
SWIS Code:	6201
Operator:	SIDNEY RAPAPORT
Facility Phone:	(212) 226-5501
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	SIDNEY RAPAPORT
Emergency Tel:	(212) 226-5501
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	SIDNEY RARAPORT
Owner Address:	195 HUDSON STREET
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(212) 226-5501
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	SIDNEY RAPAPORT
Mailing Name:	RARAPORT PRINTING CORP.
Mailing Address:	195 HUDSON STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10014
Mailing Telephone:	(212) 226-5501
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	10/01/1996
Expiration:	09/30/2001
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	5000

RARAPORT PRINTING CORP. (Continued) **U003127210**

FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	00
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	Diking
Leak Detection:	00
Overfill Protection:	09
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

N188 **181 HUDSON STREET** **NY UST** **U004045121**
ESE **181 HUDSON STREET** **N/A**
< 1/8 **NEW YORK, NY 10013**
0.124 mi.
657 ft. **Site 1 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

UST:

Id/Status:	2-608768 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	04/02/2008
UTM X:	583751.96918000001
UTM Y:	4508346.8409799999
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	30619
Affiliation Type:	Facility Owner
Company Name:	VESTRY PLACE CONDOMINIUM ASSN % HOFFMAN MGMT

181 HUDSON STREET (Continued) **U004045121**

Contact Type:	Not reported
Contact Name:	Not reported
Address1:	300 W. 55TH ST., STE 2S
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 247-4975
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30619
Affiliation Type:	Mail Contact
Company Name:	ABILENE INC
Contact Type:	Not reported
Contact Name:	SAVITRI BONOMOLO
Address1:	2402 NEPTUNE AVENUE
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11224
Country Code:	001
Phone:	(718) 372-4210
EMail:	SABI@ABILENEINC.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	2/7/2008

Site Id:	30619
Affiliation Type:	On-Site Operator
Company Name:	181 HUDSON STREET
Contact Type:	Not reported
Contact Name:	TONY TORRES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-7052
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30619
Affiliation Type:	Emergency Contact
Company Name:	VESTRY PLACE CONDOMINIUM ASSN % HOFFMAN MGMT
Contact Type:	Not reported
Contact Name:	MARK HOFFMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

181 HUDSON STREET (Continued) **U004045121**

Zip Code:	Not reported
Country Code:	001
Phone:	(212) 247-4975
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	65617
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	2500
Install Date:	Not reported
Date Tank Closed:	04/25/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	21
Date Test:	09/16/2003
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	02/07/2008

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C03 - Pipe Location - Aboveground/Underground Combination
H00 - Tank Leak Detection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)

I189 **CON EDISON - MANHOLE 59079** **RCRA-LQG** **1016149936**
East **W HUDSON ST. & DESBROSSES** **NY MANIFEST** **NYP004286043**
< 1/8 **NEW YORK, NY 10013**
0.125 mi.
658 ft. **Site 15 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - MANHOLE 59079
Facility address:	W HUDSON ST. & DESBROSSES ST. NEW YORK, NY 10013
EPA ID:	NYP004286043
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON

CON EDISON - MANHOLE 59079 (Continued) **1016149936**

Contact address: IRVING PLACE, 15TH FL NE
NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 460-2757
Contact email: HUACOND@CONED.COM
EPA Region: 02
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/29/2013
Owner/Op end date: Not reported

Owner/operator name: CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address: IRVING PLACE
NEW YORK, NY 10003
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/29/2013
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

CON EDISON - MANHOLE 59079 (Continued) **1016149936**

Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 01/29/2013
Site name: CON EDISON MANHOLE: 59079
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004286043
Country: USA
Location Address 1: W HUDSON ST & DESBROSSES ST
Location Address 2: MH # 59079
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/29/2013
Trans1 Recv Date: 01/29/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004286043
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 3000
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010841011JJK
Import Ind: N
Export Ind: N

CON EDISON - MANHOLE 59079 (Continued) **1016149936**

Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

N190 **CON EDISON** **RCRA NonGen / NLR** **1014398898**
ESE **VESTRY ST & HUDSON ST SE COR** **NY MANIFEST** **NYP004212718**
1/8-1/4 **NEW YORK, NY 10013** **NJ MANIFEST**
0.125 mi.
662 ft. **Site 2 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	08/03/2010
Facility name:	CON EDISON
Facility address:	VESTRY ST & HUDSON ST SE COR NEW YORK, NY 10013
EPA ID:	NYP004212718
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	TONI A FRANZONE
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 894-9450
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004212718
Country:	USA
Location Address 1:	S/E/C VESTRY & HUDSON
Location Address 2:	Not reported

CON EDISON (Continued) **1014398898**

Location City: MANHATTAN
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON - 37285
Contact: TOM TEELING
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 08/03/2010
Trans1 Recv Date: 08/03/2010
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/06/2010
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004212718
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 2000.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2010
Manifest Tracking Num: 001055602GBF
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H111

NJ MANIFEST:
EPA Id: NYP004212718
Mail Address: 4 IRVING PL, RM 828
Mail City/State/Zip: NEW YORK, NY 10003
Facility Phone: Not reported
Emergency Phone: Not reported
Contact: TONI A FRANZONE

CON EDISON (Continued) **1014398898**

Comments:	Not reported
SIC Code:	Not reported
County:	NY061
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	001055602GBF
EPA ID:	NYP004212718
Date Shipped:	08/03/2010
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJ0000027193
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/03/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/06/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2010 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H111
Quantity:	2000 P

J191 **157 HUDSON STREET** **NY UST** **U004045058**
SE **157 HUDSON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.126 mi.
666 ft. **Site 11 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

UST:

Id/Status:	2-608927 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	04/30/2008
UTM X:	583739.89197
UTM Y:	4508249.45041
Site Type:	Other

Affiliation Records:

Site Id:	30775
Affiliation Type:	Facility Owner
Company Name:	LAST GASP REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	157 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 925-1145
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30775
Affiliation Type:	Mail Contact
Company Name:	LAST GASP REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	157 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 925-1145
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30775
Affiliation Type:	On-Site Operator
Company Name:	157 HUDSON STREET
Contact Type:	Not reported
Contact Name:	ANNA VAGNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

157 HUDSON STREET (Continued) **U004045058**

Zip Code:	Not reported
Country Code:	001
Phone:	(212) 925-1145
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30775
Affiliation Type:	Emergency Contact
Company Name:	LAST GASP REALTY CORP.
Contact Type:	Not reported
Contact Name:	ANNA VAGNER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 925-1145
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	1682087
Tank ID:	65977
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	Not reported
Date Tank Closed:	12/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B01 - Tank External Protection - Painted/Asphalt Coating
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
H00 - Tank Leak Detection - None

N192 ESE 1/8-1/4 0.126 mi. 667 ft. — **CON EDISON - SERVICE BOX 37281**, **175 HUDSON ST**, **NEW YORK, NY 10013**

Site 3 of 16 in cluster N

Relative: Higher

Actual: 13 ft.

RCRA-LQG 1016149924
FINDS NYP004285920
NY MANIFEST

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - SERVICE BOX 37281
Facility address:	175 HUDSON ST NEW YORK, NY 10013
EPA ID:	NYP004285920
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2757
Contact email:	HUACOND@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/28/2013
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/28/2013
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No

CON EDISON - SERVICE BOX 37281 (Continued) **1016149924**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 01/28/2013
Site name: CON EDISON SERVICE BOX: 37281
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110055427319

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:
EPA ID: NYP004285920
Country: USA
Location Address 1: 175 HUDSON ST
Location Address 2: SERV BOX 37281
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

CON EDISON - SERVICE BOX 37281 (Continued) **1016149924**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/28/2013
Trans1 Recv Date:	01/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285920
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	4000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010840386JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

M193 **CITIGROUP** **RCRA-LQG** **1000156125**
South **390 GREENWICH ST** **NY MANIFEST** **NYD982269912**
1/8-1/4 **NEW YORK, NY 10013**
0.126 mi.
667 ft. **Site 5 of 5 in cluster M**

Relative:
Higher

Actual:
10 ft.

RCRA-LQG:

Date form received by agency:	05/25/2011
Facility name:	CITIGROUP
Facility address:	390 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYD982269912
Mailing address:	GREENWICH ST NEW YORK, NY 10013
Contact:	WILLIAM SVIHRA
Contact address:	GREENWICH ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 723-4352
Contact email:	Not reported

CITIGROUP (Continued) **1000156125**

EPA Region: 02
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: CITIGROUP
Owner/operator address: GREENWICH ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 816-0139
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 04/01/1998
Owner/Op end date: Not reported

Owner/operator name: JONES LANG LASALLE
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 10/01/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

CITIGROUP (Continued) **1000156125**

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Historical Generators:
Date form received by agency: 01/01/2007
Site name: SHEARSON LEHMAN BROS.
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Site name: SHEARSON LEHMAN BROS.
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: SHEARSON LEHMAN BROS.
Classification: Not a generator, verified

Date form received by agency: 06/25/1987
Site name: SHEARSON LEHMAN BROS.
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, 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.

. Waste code: F002
. Waste name: 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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

CITIGROUP (Continued) **1000156125**

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

. Waste code: X003
. Waste name: OTHER STATE REGULATED WASTES [i.e., DIESEL FUEL, GASOLINE AND HOME HEATING OIL]

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYD982269912
Country: USA
Location Address 1: 390 GREENWICH ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CITIGROUP
Contact: CITI GROUP
Address: 390 GREENWICH ST
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-723-4352

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 06/22/2011
Trans1 Recv Date: 06/22/2011
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/29/2011
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD982269912
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: PAD067098822
Waste Code: Not reported
Quantity: 30.0
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 003534917JJK
Import Ind: N

CITIGROUP (Continued) **1000156125**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	06/22/2011
Trans1 Recv Date:	06/22/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/29/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982269912
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	Not reported
Quantity:	80.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	2.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	003534917JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CT5000001495
Trans2 State ID:	Not reported
Generator Ship Date:	02/08/2012
Trans1 Recv Date:	02/08/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/08/2012
Part A Recv Date:	Not reported

CITIGROUP (Continued) **1000156125**

Part B Recv Date:	Not reported
Generator EPA ID:	NYD982269912
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CT5000001495
Waste Code:	Not reported
Quantity:	2751.0
Units:	P - Pounds
Number of Containers:	6.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	006572990JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H010

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	CT5000001495
Trans2 State ID:	Not reported
Generator Ship Date:	01/30/2013
Trans1 Recv Date:	01/30/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982269912
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	CT5000001495
Waste Code:	Not reported
Quantity:	3228
Units:	P - Pounds
Number of Containers:	7
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	008951765JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

CITIGROUP (Continued) **1000156125**

Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H010

I194 **CON ED - MH1115** **RCRA NonGen / NLR** **1007205368**
East **E/S LEE AVE** **NY MANIFEST** **NYP000930156**
1/8-1/4 **BROOKLYN, NY 11211**
0.127 mi.
672 ft. **Site 16 of 16 in cluster I**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:
Date form received by agency: 09/17/1998
Facility name: CON ED - MH1115
Facility address: E/S LEE AVE
BROOKLYN, NY 112110000
EPA ID: NYP000930156
Mailing address: 4 IRVING PLACE
ROOM 300
NEW YORK, NY 100030000
Contact: ANTHONY DRUMMINGS
Contact address: 4 IRVING PLACE
NEW YORK, NY 100030000
Contact country: US
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/16/1998
Site name: CON ED - MH1115
Classification: Not a generator, verified

Date form received by agency: 09/15/1998
Site name: CON ED - MH1115
Classification: Large Quantity Generator

Violation Status: No violations found

CON ED - MH1115 (Continued) **1007205368**

NY MANIFEST:

EPA ID:	NYP000930156
Country:	USA
Location Address 1:	CANAL STREET AND HUDSON
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	Not reported
Location Zip Code 4:	Not reported

Mailing Info:

Name:	NYNEX
Contact:	V ORCHIER
Address:	221 EAST 37TH STREET
City/State/Zip:	NEW YORK, NY 10016
Country:	USA
Phone:	212-338-7126

Manifest:

Document ID:	NYG0124695
Manifest Status:	Completed copy
Trans1 State ID:	80336AB
Trans2 State ID:	Not reported
Generator Ship Date:	04/11/1997
Trans1 Recv Date:	04/11/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/14/1997
Part A Recv Date:	04/25/1997
Part B Recv Date:	05/02/1997
Generator EPA ID:	NYP000930156
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00001
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00001
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	MIA4512907
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	09/28/1996
Trans1 Recv Date:	09/28/1996

CON ED - MH1115 (Continued) **1007205368**

Trans2 Recv Date:	10/04/1996
TSD Site Recv Date:	10/25/1996
Part A Recv Date:	/ /
Part B Recv Date:	11/15/1996
Generator EPA ID:	NYP000930156
Trans1 EPA ID:	NYD010951986
Trans2 EPA ID:	NYD046765574
TSDF ID:	MID096963194
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02400
Units:	P - Pounds
Number of Containers:	006
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1996

N195 **2OO HUDSON ST** **NY AST** **U003385788**
ESE **200 HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.129 mi.
679 ft. **Site 4 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-158933
Program Type:	PBS
UTM X:	583806.92027999996
UTM Y:	4508416.7626799997
Expiration Date:	06/05/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5347
Affiliation Type:	Facility Owner
Company Name:	RECTOR CHURCHWARDENS
Contact Type:	DIRECTOR
Contact Name:	PETER A. ST JOHN
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0854
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/20/2012

Site Id:	5347
Affiliation Type:	Mail Contact
Company Name:	RECTOR CHURCHWARDENS
Contact Type:	Not reported
Contact Name:	DINO CELIC
Address1:	74 TRINITY PLACE

2OO HUDSON ST (Continued) **U003385788**

Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
EMail:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/20/2012

Site Id:	5347
Affiliation Type:	On-Site Operator
Company Name:	2OO HUDSON ST
Contact Type:	Not reported
Contact Name:	DINO CELIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 925-5093
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	3/23/2007

Site Id:	5347
Affiliation Type:	Emergency Contact
Company Name:	RECTOR CHURCHWARDENS
Contact Type:	Not reported
Contact Name:	DINO CELIC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 440-9701
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	3/23/2007

Tank Info:

Tank Number:	001
Tank Id:	8556
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser

2OO HUDSON ST (Continued) **U003385788**

L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
E07 - Piping Secondary Containment - Trench Liner
K00 - Spill Prevention - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	03/01/1983
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	07/20/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

N196 **TRINITY CHURCH** **RCRA NonGen / NLR** **1005444422**
ESE **200 HUDSON ST - MAIN** **NY MANIFEST** **NYR000107433**
1/8-1/4 **NEW YORK, NY 10013**
0.129 mi.
679 ft. **Site 5 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	TRINITY CHURCH
Facility address:	200 HUDSON ST - MAIN NEW YORK, NY 10013
EPA ID:	NYR000107433
Mailing address:	HUDSON ST - MAIN NEW YORK, NY 10013
Contact:	KEITH GEORGE
Contact address:	HUDSON ST - MAIN NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 602-0844
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0844
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001

TRINITY CHURCH (Continued) **1005444422**

Owner/Op end date: Not reported

Owner/operator name: PARISH OF TRINITY CHURCH
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 602-0844
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: TRINITY CHURCH
Classification: Not a generator, verified

Date form received by agency: 06/28/2002
Site name: TRINITY CHURCH
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000107433
Country: USA
Location Address 1: 200 HUDSON STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: PARISH OF TRINITY CHURCH
Contact: MITCH ALVO
Address: 74 TRINITY PLACE

TRINITY CHURCH (Continued) **1005444422**

City/State/Zip: NEW YORK, NY 10006
Country: USA
Phone: 212-602-0844

Manifest:

Document ID: NYG3390183
Manifest Status: Not reported
Trans1 State ID: PD1010NY
Trans2 State ID: Not reported
Generator Ship Date: 07/08/2002
Trans1 Recv Date: 07/08/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/09/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000107433
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00001
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00001
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00001
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2002

Document ID: NYG3390174
Manifest Status: Not reported
Trans1 State ID: PD1010NY
Trans2 State ID: Not reported
Generator Ship Date: 07/08/2002
Trans1 Recv Date: 07/08/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/09/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000107433
Trans1 EPA ID: NYD077444263
Trans2 EPA ID: Not reported

TRINITY CHURCH (Continued) **1005444422**

TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01600
Units:	P - Pounds
Number of Containers:	002
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00800
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00040
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

N197 **HUDSON PRINTING CO INC** **RCRA NonGen / NLR** **1004761811**
ESE **200 HUDSON ST 11TH FLOOR** **US AIRS** **NYR000090647**
1/8-1/4 **NEW YORK, NY 10013**
0.129 mi.
679 ft. **Site 6 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	HUDSON PRINTING CO INC
Facility address:	200 HUDSON ST 11TH FLOOR NEW YORK, NY 10013
EPA ID:	NYR000090647
Mailing address:	HUDSON ST 11TH FLOOR NEW YORK, NY 10013
Contact:	ROBERT BERGMAN
Contact address:	HUDSON ST 11TH FLOOR NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 966-5400
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	REAL ESTATE OF TRINITY CHURCH

HUDSON PRINTING CO INC (Continued) **1004761811**

Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10007
Owner/operator country: US
Owner/operator telephone: (212) 602-0845
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: REAL ESTATE OF TRINITY CHURCH
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10007
Owner/operator country: US
Owner/operator telephone: (212) 602-0845
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: HUDSON PRINTING CO INC
Classification: Not a generator, verified

Date form received by agency: 10/20/2000
Site name: HUDSON PRINTING CO INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

AIRS (AFS):

Airs Minor Details:

HUDSON PRINTING CO INC (Continued) **1004761811**

EPA plant ID:	110001603248
Plant name:	HUDSON PRINTING CO INC-200 HUDSON ST
Plant address:	200 HUDSON STREET NEW YORK, NY 10013
County:	NEW YORK
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	2752
Sic code desc:	COMMERCIAL PRINTING, LITHOGRAPHIC
North Am. industrial classf:	Not reported
NAIC code description:	Not reported
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	SIP SOURCE
National action type:	Not reported
Date achieved:	00000
Penalty amount:	Not reported

Historical Compliance Minor Sources:

State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1403
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1402
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1401
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1304
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1303
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1302
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1301
Air prog code hist file:	SIP SOURCE
State compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date:	1204

HUDSON PRINTING CO INC (Continued) **1004761811**

Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1203
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1202
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1201
Air prog code hist file: SIP SOURCE

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: SIP SOURCE

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

N198 **LATHAM PROCESS CORP-200 HUDSON ST** **RCRA NonGen / NLR** **1000555534**
ESE **200 HUDSON ST** **FINDS** **NYD986980720**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.129 mi.
679 ft. **Site 7 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: LATHAM PROCESS CORP
Facility address: 200 HUDSON ST
NEW YORK, NY 10013
EPA ID: NYD986980720
Mailing address: HUDSON ST
NEW YORK, NY 10013
Contact: Not reported
Contact address: HUDSON ST
NEW YORK, NY 10013
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PARISH OF TRINITY CHURCH RED
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 602-0867

LATHAM PROCESS CORP-200 HUDSON ST (Continued) **1000555534**

Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PARISH OF TRINITY CHURCH RED
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 602-0867
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: LATHAM PROCESS CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: LATHAM PROCESS CORP
Classification: Not a generator, verified

Date form received by agency: 11/07/1991
Site name: LATHAM PROCESS CORP
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110009481104

LATHAM PROCESS CORP-200 HUDSON ST (Continued) **1000555534**

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110019792946

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYD986980720
Country:	USA
Location Address 1:	200 HUDSON STREET
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	LATHAM PROCESS
Contact:	HERBERT A SCHMIDT
Address:	200 HUDSON STREET
City/State/Zip:	NEW YORK, NY 10013
Country:	USA
Phone:	212-966-4500

Manifest:

Document ID:	NYB4518162
Manifest Status:	Completed copy
Trans1 State ID:	JA024
Trans2 State ID:	Not reported
Generator Ship Date:	01/15/1992
Trans1 Recv Date:	01/15/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/17/1992
Part A Recv Date:	01/29/1992
Part B Recv Date:	01/29/1992
Generator EPA ID:	NYD986980720
Trans1 EPA ID:	NJD000692343
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00171
Units:	P - Pounds

LATHAM PROCESS CORP-200 HUDSON ST (Continued) **1000555534**

Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00021
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00016
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00400
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NYB4518189
Manifest Status:	Completed copy
Trans1 State ID:	JA024
Trans2 State ID:	Not reported
Generator Ship Date:	01/15/1992
Trans1 Recv Date:	01/15/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/17/1992
Part A Recv Date:	01/29/1992
Part B Recv Date:	01/29/1992
Generator EPA ID:	NYD986980720
Trans1 EPA ID:	NJD000692343
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00200
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F005 - UNKNOWN
Quantity:	00355
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

LATHAM PROCESS CORP-200 HUDSON ST (Continued) **1000555534**

Quantity: 01800
Units: P - Pounds
Number of Containers: 009
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1992

Document ID: NYB4518171
Manifest Status: Completed copy
Trans1 State ID: JA024
Trans2 State ID: Not reported
Generator Ship Date: 01/15/1992
Trans1 Recv Date: 01/15/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 01/17/1992
Part A Recv Date: 01/29/1992
Part B Recv Date: 01/29/1992
Generator EPA ID: NYD986980720
Trans1 EPA ID: NJD000692343
Trans2 EPA ID: Not reported
TSDF ID: NYD057770109
Waste Code: F003 - UNKNOWN
Quantity: 00168
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F003 - UNKNOWN
Quantity: 00200
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: F003 - UNKNOWN
Quantity: 00200
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00069
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1992

Document ID: NYB5634117
Manifest Status: Completed copy
Trans1 State ID: T369SMNT

LATHAM PROCESS CORP-200 HUDSON ST (Continued) **1000555534**

Trans2 State ID:	T924GCNJ
Generator Ship Date:	07/14/1992
Trans1 Recv Date:	07/14/1992
Trans2 Recv Date:	07/15/1992
TSD Site Recv Date:	07/17/1992
Part A Recv Date:	/ /
Part B Recv Date:	07/29/1992
Generator EPA ID:	NYD986980720
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	NJD054126164
TSDF ID:	NYD057770109
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Waste Code:	D007 - CHROMIUM 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

Document ID:	NYB5634099
Manifest Status:	Completed copy
Trans1 State ID:	T369SMNJ
Trans2 State ID:	T924GCNJ
Generator Ship Date:	07/14/1992
Trans1 Recv Date:	07/14/1992
Trans2 Recv Date:	07/15/1992
TSD Site Recv Date:	07/17/1992
Part A Recv Date:	/ /
Part B Recv Date:	07/29/1992
Generator EPA ID:	NYD986980720
Trans1 EPA ID:	NJD054126164
Trans2 EPA ID:	NJD054126164
TSDF ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F001 - UNKNOWN

LATHAM PROCESS CORP-200 HUDSON ST (Continued) **1000555534**

Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1992

N199 **HUDSON ALLEY, INC.** **NY AST** **U003388754**
ESE **174 HUDSON ST** **NY HIST AST** **N/A**
1/8-1/4 **NYC, NY 10013**
0.129 mi.
681 ft. **Site 8 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-280119
Program Type:	PBS
UTM X:	583795.73172000004
UTM Y:	4508330.4858600004
Expiration Date:	07/15/2017
Site Type:	Other

Affiliation Records:

Site Id:	12222
Affiliation Type:	Facility Owner
Company Name:	HUDSON ALLEY INC.
Contact Type:	PRES.
Contact Name:	JOHN BENIS
Address1:	179 CHRISTOPHER STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10014
Country Code:	001
Phone:	(212) 242-7502
EMail:	JOHN@HUDSONALLEY.COM
Fax Number:	Not reported
Modified By:	DMMOLOUG
Date Last Modified:	5/17/2012

Site Id:	12222
Affiliation Type:	Mail Contact
Company Name:	HUDSON ALLEY INC.
Contact Type:	PRES.
Contact Name:	JOHN BENIS
Address1:	179 CHRISTOPHER STREET
Address2:	Not reported
City:	NEW YORK

HUDSON ALLEY, INC. (Continued) **U003388754**

State: NY
Zip Code: 10014
Country Code: 001
Phone: (212) 242-7502
EMail: JOHN@HUDSONALLEY.COM
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 5/17/2012

Site Id: 12222
Affiliation Type: On-Site Operator
Company Name: HUDSON ALLEY, INC.
Contact Type: Not reported
Contact Name: ROBERTO DELCID
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 625-6639
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 3/21/2007

Site Id: 12222
Affiliation Type: Emergency Contact
Company Name: HUDSON ALLEY INC.
Contact Type: Not reported
Contact Name: JOHN BENIS
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (212) 242-7502
EMail: Not reported
Fax Number: Not reported
Modified By: DMMOLOUG
Date Last Modified: 5/17/2012

Tank Info:

Tank Number: 001
Tank Id: 14554
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

HUDSON ALLEY, INC. (Continued) **U003388754**

F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	10/12/2004
Capacity Gallons:	6000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KXTANG
Last Modified:	03/21/2007
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-280119
SWIS Code:	6201
Operator:	HUDSON
Facility Phone:	(212) 965-6467
Facility Addr2:	174 HUDSON ST
Facility Type:	Not reported
Emergency:	HUDSON
Emergency Tel:	(212) 965-6467
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	HUDSON ALLEY INC.
Owner Address:	179 CHRISTOPHER STREET
Owner City,St,Zip:	NEW YORK, NY 10014
Federal ID:	Not reported
Owner Tel:	(212) 965-6467
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	JOHN DEWEETS
Mailing Name:	HUDSON ALLEY INC.
Mailing Address:	174 HUDSON STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Telephone:	(212) 965-6467
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	07/24/1997
Expiration:	07/15/2002
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	6000
FAMT:	True

HUDSON ALLEY, INC. (Continued) **U003388754**

Facility Screen:	Minor Data Missing
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2
Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	6000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

L200 **471 WASHINGTON STREET PARTNERS LLC** **RCRA-LQG** **1011490448**
NNE **471 WASHINGTON ST** **NJ MANIFEST** **NYR000157099**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.129 mi.
682 ft. **Site 20 of 23 in cluster L**

Relative:
Higher

Actual:
7 ft.

RCRA-LQG:

Date form received by agency:	05/01/2008
Facility name:	471 WASHINGTON STREET PARTNERS LLC
Facility address:	471 WASHINGTON ST NEW YORK, NY 10013
EPA ID:	NYR000157099
Mailing address:	E 19TH ST - 2ND FLOOR NEW YORK, NY 10003
Contact:	GOLAN HOD
Contact address:	E 19TH ST - 2ND FLOOR NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(646) 208-4641
Contact email:	GH@FOUNDATIONSGROUP.COM
EPA Region:	02

471 WASHINGTON STREET PARTNERS LLC (Continued) **1011490448**

Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: 471 WASHINGTON STREET PARTNERS LLC
Owner/operator address: CANAL ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/26/2001
Owner/Op end date: Not reported

Owner/operator name: PETER MOORE
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/26/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D002
. Waste name: CORROSIVE WASTE

471 WASHINGTON STREET PARTNERS LLC (Continued) **1011490448**

Historical Generators:
Date form received by agency: 04/30/2008
Site name: 471 WASHINGTON STREET PARTNERS LLC
Classification: Large Quantity Generator

Violation Status: No violations found

NJ MANIFEST:

EPA Id:	NYR000157099
Mail Address:	E 19TH ST - 2ND FLOOR
Mail City/State/Zip:	NEW YORK, NY 10003
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	GOLAN HOD
Comments:	Not reported
SIC Code:	Not reported
County:	NY061
Municipal:	Not reported
Previous EPA Id:	Not reported
Gen Flag:	Not reported
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	001871622FLE
EPA ID:	NYR000157099
Date Shipped:	05/13/2008
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/13/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/13/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported

471 WASHINGTON STREET PARTNERS LLC (Continued) **1011490448**

Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	NEW YORK, NY 10003
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2008 New Jersey Manifest Data
Waste Code:	D002
Hand Code:	H111
Quantity:	24840 P

NY MANIFEST:

EPA ID:	NYR000157099
Country:	USA
Location Address 1:	471 WASHINGTON STREET
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	471 WASHINGTON STREET PARTNERS LLC
Contact:	471 WASHINGTON STREET PARTNERS LLC
Address:	106 EAST 19TH STREET 2ND FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	646-355-5800

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	Not reported
Generator Ship Date:	05/13/2008
Trans1 Recv Date:	05/13/2008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/13/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000157099
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	24840.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.

471 WASHINGTON STREET PARTNERS LLC (Continued) **1011490448**

Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001871622FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

L201 **CON EDISON SERVICE BOX: 36296** **RCRA-CESQG** **1016149773**
NNE **491 GREENWICH ST** **FINDS** **NYP004284394**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.130 mi.
686 ft. **Site 21 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 36296
Facility address:	491 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004284394
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

CON EDISON SERVICE BOX: 36296 (Continued) **1016149773**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055465615

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004284394
Country: USA
Location Address 1: 491 GREENWICH ST
Location Address 2: SERV BOX 36296
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/21/2013
Trans1 Recv Date: 01/21/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/22/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported

CON EDISON SERVICE BOX: 36296 (Continued) **1016149773**

Generator EPA ID:	NYP004284394
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010456051JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

J202 **CON EDISON** **NY MANIFEST** **1009242105**
ESE **169 HUDSON ST SB37281** **N/A**
1/8-1/4 **NEW YORK, NY 10027**
0.131 mi.
692 ft. **Site 12 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

NY MANIFEST:

EPA ID:	NYP004107769
Country:	USA
Location Address 1:	169 HUDSON ST SB37281
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10027
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	FRANKLIN MURRAY
Address:	4 IRVING PLACE RM 828
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-2808

Manifest:

Document ID:	NJA4065280
Manifest Status:	Not reported
Trans1 State ID:	H10376
Trans2 State ID:	Not reported
Generator Ship Date:	02/22/2003
Trans1 Recv Date:	02/22/2003
Trans2 Recv Date:	Not reported

CON EDISON (Continued) **1009242105**

TSD Site Recv Date:	02/25/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004107769
Trans1 EPA ID:	NJD003812047
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00150
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2003

J203 **169 HUDSON ST. CONDO** **NY AST** **U004045089**
ESE **169 HUDSON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.131 mi.
692 ft. **Site 13 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-315745
Program Type:	PBS
UTM X:	583781.05385999999
UTM Y:	4508313.7782100001
Expiration Date:	02/24/2009
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	14448
Affiliation Type:	Facility Owner
Company Name:	169 HUDSON ST. CONDOMINIUM
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	169 HUDSON ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 472-1878
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14448
Affiliation Type:	Mail Contact
Company Name:	% SANDRA GREER RE MGMT CORP
Contact Type:	Not reported
Contact Name:	SANDRA GREER
Address1:	201 EAST 77TH STREET
Address2:	Not reported

169 HUDSON ST. CONDO (Continued) **U004045089**

City:	NEW YORK
State:	NY
Zip Code:	10021
Country Code:	001
Phone:	(212) 472-1878
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14448
Affiliation Type:	On-Site Operator
Company Name:	169 HUDSON ST. CONDO
Contact Type:	Not reported
Contact Name:	STEVE TIETLER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 219-2810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	14448
Affiliation Type:	Emergency Contact
Company Name:	169 HUDSON ST. CONDOMINIUM
Contact Type:	Not reported
Contact Name:	NICK BRIGLIA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 848-5420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	12894
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle

169 HUDSON ST. CONDO (Continued) **U004045089**

J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B05 - Tank External Protection - Jacketed
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

O204 **CON EDISON SERVICE BOX: 28512** **RCRA-CESQG** **1016149797**
East **HUDSON ST AND CANAL ST SW COR** **NY MANIFEST** **NYP004284634**
1/8-1/4 **NEW YORK, NY 10013**
0.134 mi.
709 ft. **Site 1 of 6 in cluster O**

Relative:
Higher

Actual:
13 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 28512
Facility address:	HUDSON ST AND CANAL ST SW COR NEW YORK, NY 10013
EPA ID:	NYP004284634
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

CON EDISON SERVICE BOX: 28512 (Continued) **1016149797**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
- EPA ID: NYP004284634
- Country: USA
- Location Address 1: SW COR HUDSON ST & CANAL ST
- Location Address 2: SERV BOX 28512
- Location City: NEW YORK
- Location State: NY
- Location Zip Code: 10013
- Location Zip Code 4: Not reported

Mailing Info:
- Name: CON EDISON
- Contact: CON EDISON
- Address: 4 IRVING PL 15TH FL
- City/State/Zip: NEW YORK, NY 10003
- Country: USA
- Phone: 212-460-3770

Manifest:

- Document ID: Not reported
- Manifest Status: Not reported
- Trans1 State ID: NJ0000027193
- Trans2 State ID: Not reported
- Generator Ship Date: 01/22/2013
- Trans1 Recv Date: 01/22/2013
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 01/22/2013
- Part A Recv Date: Not reported
- Part B Recv Date: Not reported
- Generator EPA ID: NYP004284634
- Trans1 EPA ID: Not reported
- Trans2 EPA ID: Not reported
- TSDF ID: NJD002200046
- Waste Code: Not reported
- Quantity: 500
- Units: P - Pounds
- Number of Containers: 1

CON EDISON SERVICE BOX: 28512 (Continued) **1016149797**

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707034JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

J205 **EDR US Hist Auto Stat** **1015261272**
SE **166 HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.138 mi.
727 ft. **Site 14 of 15 in cluster J**

Relative:
Higher

Actual:
13 ft.

EDR Historical Auto Stations:

Name:	TRIBECA AUTO REPAIR OF MANHATTAN
Year:	1999
Address:	166 HUDSON ST
Name:	ACE FOREIGN CAR SPECIALIST
Year:	2000
Address:	166 HUDSON ST
Name:	ACC CAR CARE CENTER INC
Year:	2005
Address:	166 HUDSON ST
Name:	ACC CAR CARE CENTER INC
Year:	2007
Address:	166 HUDSON ST

O206 **231-239 HUDSON STREET** **NY UST** **U004190185**
ENE **231-239 HUDSON STREET** **N/A**
1/8-1/4 **MANHATTAN, NY 10013**
0.138 mi.
728 ft. **Site 2 of 6 in cluster O**

Relative:
Higher

Actual:
13 ft.

UST:

Id/Status:	2-611804 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	06/28/2016
UTM X:	583783.59169000003
UTM Y:	4508612.8204100002
Site Type:	Trucking/Transportation/Fleet Operation

231-239 HUDSON STREET (Continued) **U004190185**

Affiliation Records:

Site Id:	463383
Affiliation Type:	Facility Owner
Company Name:	CBCS HUDSON EQUITES LLC
Contact Type:	MEMBER
Contact Name:	JOHN S
Address1:	225 HUDSON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(347) 558-1913
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/23/2012

Site Id:	463383
Affiliation Type:	Mail Contact
Company Name:	HYDRO TECH ENV CORP
Contact Type:	Not reported
Contact Name:	PAUL MALTI
Address1:	15 OCEAN AVE 2ND FLOOR
Address2:	Not reported
City:	BROOKLYN
State:	NY
Zip Code:	11225
Country Code:	001
Phone:	(718) 636-0800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/23/2012

Site Id:	463383
Affiliation Type:	On-Site Operator
Company Name:	231-239 HUDSON STREET
Contact Type:	Not reported
Contact Name:	PAUL MALTI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 636-0800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/23/2012

Site Id:	463383
Affiliation Type:	Emergency Contact
Company Name:	CBCS HUDSON EQUITES LLC
Contact Type:	Not reported
Contact Name:	PAUL MALTI

231-239 HUDSON STREET (Continued) **U004190185**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 636-0800
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	4/23/2012

Tank Info:

Tank Number:	001
Tank ID:	243768
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1100
Install Date:	Not reported
Date Tank Closed:	03/22/2012
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MSBAPTIS
Last Modified:	07/25/2012

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	002
Tank ID:	243769
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	03/22/2012
Registered:	True

231-239 HUDSON STREET (Continued) **U004190185**

Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MSBAPTIS
Last Modified: 07/25/2012

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 003
Tank ID: 243770
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 03/22/2012
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: MSBAPTIS
Last Modified: 07/25/2012

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None

231-239 HUDSON STREET (Continued) **U004190185**

H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

N207 **CON EDISION - MH 37290** **RCRA NonGen / NLR** **1007207860**
East **F/O 189 HUDSON ST. F/O 189 HUD** **NY MANIFEST** **NYP004077087**
1/8-1/4 **NEW YORK, NY 10003**
0.138 mi.
728 ft. **Site 9 of 16 in cluster N**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/02/2002
Facility name:	CON EDISION - MH 37290
Facility address:	F/O 189 HUDSON ST. F/O 189 HUD NEW YORK, NY 10003
EPA ID:	NYP004077087
Mailing address:	IRVING PLACE NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	IRVING PLACE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/01/2002
Site name:	CON EDISION - MH 37290
Classification:	Not a generator, verified

Date form received by agency:	05/31/2002
Site name:	CON EDISION - MH 37290
Classification:	Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:

EPA ID: NYP004077087

CON EDISION - MH 37290 (Continued) **1007207860**

Country: USA
Location Address 1: MH37240-F/O 200 HUDSON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10020
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: CTF0833772
Manifest Status: Not reported
Trans1 State ID: PUL9202OH
Trans2 State ID: Not reported
Generator Ship Date: 03/15/2001
Trans1 Recv Date: 03/15/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/21/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004077087
Trans1 EPA ID: MAD039322250
Trans2 EPA ID: Not reported
TSDF ID: CTD000604488
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00002
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

P208 **CON EDISON SERVICE BOX: 40381** **RCRA-CESQG** **1016149786**
NE **26 RENWICK ST FRONT OF** **NY MANIFEST** **NYP004284527**
1/8-1/4 **NEW YORK, NY 10013**
0.139 mi.
736 ft. **Site 1 of 11 in cluster P**

Relative:
Higher

Actual:
11 ft.

RCRA-CESQG:
Date form received by agency: 01/21/2013
Facility name: CON EDISON SERVICE BOX: 40381
Facility address: 26 RENWICK ST FRONT OF
NEW YORK, NY 10013
EPA ID: NYP004284527
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: ROBERT LINDELOF
Contact address: Not reported
Not reported

CON EDISON SERVICE BOX: 40381 (Continued) **1016149786**

Contact country: Not reported
Contact telephone: (917) 559-3860
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004284527
Country: USA
Location Address 1: 26 RENWICK ST
Location Address 2: SERV BOX 40381
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

CON EDISON SERVICE BOX: 40381 (Continued) **1016149786**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/21/2013
Trans1 Recv Date:	01/21/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284527
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010456060JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

O209 **99-105 CANAL** **NY AST** **U003395517**
East **99-105 CANAL ST** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.140 mi.
738 ft. **Site 3 of 6 in cluster O**

Relative:
Higher

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-600035
Program Type:	PBS
UTM X:	584976.60552999994
UTM Y:	4507723.1309500001
Expiration Date:	03/21/2011
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	22024
Affiliation Type:	Facility Owner
Company Name:	CANAL REALTY CORP.

99-105 CANAL (Continued) **U003395517**

Contact Type:	PROPERTY MANAGER
Contact Name:	PAUL ESPOSITO
Address1:	168 CANAL STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 334-0990
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	1/10/2006

Site Id:	22024
Affiliation Type:	Mail Contact
Company Name:	D. G. HART MANAGEMENT, INC.
Contact Type:	Not reported
Contact Name:	PAUL ESPOSITO
Address1:	168 CANAL STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 941-1483
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22024
Affiliation Type:	On-Site Operator
Company Name:	99-105 CANAL
Contact Type:	Not reported
Contact Name:	D. G. HART MGMT. INC.
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 941-1483
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	22024
Affiliation Type:	Emergency Contact
Company Name:	CANAL REALTY CORP.
Contact Type:	Not reported
Contact Name:	PAUL ESPOSITO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

99-105 CANAL (Continued) **U003395517**

Zip Code:	Not reported
Country Code:	001
Phone:	(212) 941-1483
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	39972
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-600035
SWIS Code:	6201
Operator:	D. G. HART MGMT. INC.
Facility Phone:	(212) 941-1483
Facility Addr2:	99 CANAL ST
Facility Type:	OTHER
Emergency:	PAUL ESPOSITO
Emergency Tel:	(212) 941-1483
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	CANAL REALTY CORP.
Owner Address:	168 CANAL STREET

99-105 CANAL (Continued) **U003395517**

Owner City,St,Zip:	NEW YORK, NY 10013
Federal ID:	Not reported
Owner Tel:	(212) 334-0990
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	PAUL ESPOSITO
Mailing Name:	D. G. HART MANAGEMENT, INC.
Mailing Address:	168 CANAL STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Telephone:	(212) 941-1483
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	02/09/2001
Expiration:	03/21/2006
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported

99-105 CANAL (Continued) **U003395517**

Lat/Long: Not reported

L210 **CON EDISON SERVICE BOX: 36297** **RCRA-CESQG** **1016149770**
NNE **495 GREENWICH ST** **FINDS** **NYP004284360**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.140 mi.
739 ft. **Site 22 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 36297
Facility address:	495 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004284360
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

CON EDISON SERVICE BOX: 36297 (Continued) **1016149770**

FINDS:

Registry ID: 110055430840

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284360
Country:	USA
Location Address 1:	495 GREENWICH ST
Location Address 2:	SERV BOX 36297
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/21/2013
Trans1 Recv Date:	01/21/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284360
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010456049JJK

CON EDISON SERVICE BOX: 36297 (Continued) **1016149770**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

O211 **CON EDISON SERVICE BOX: 28516** **RCRA-CESQG** **1016149791**
East **465 CANAL ST** **FINDS** **NYP004284576**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.143 mi.
755 ft. **Site 4 of 6 in cluster O**

Relative:
Higher

Actual:
13 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 28516
Facility address:	465 CANAL ST NEW YORK, NY 10013
EPA ID:	NYP004284576
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

CON EDISON SERVICE BOX: 28516 (Continued) **1016149791**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055433856

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284576
Country:	USA
Location Address 1:	465 CANAL ST
Location Address 2:	SERV BOX 28516
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/21/2013
Trans1 Recv Date:	01/21/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/21/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284576
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

CON EDISON SERVICE BOX: 28516 (Continued) **1016149791**

TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408527JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

O212 **CON EDISON SERVICE BOX: 28514** **RCRA-CESQG** **1016149792**
East **465 CANAL ST** **NY MANIFEST** **NYP004284584**
1/8-1/4 **NEW YORK, NY 10013**
0.143 mi.
755 ft. **Site 5 of 6 in cluster O**

Relative:
Higher

Actual:
13 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 28514
Facility address:	465 CANAL ST NEW YORK, NY 10013
EPA ID:	NYP004284584
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

CON EDISON SERVICE BOX: 28514 (Continued) **1016149792**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
- EPA ID: NYP004284584
- Country: USA
- Location Address 1: 465 CANAL ST
- Location Address 2: SERV BOX 28514
- Location City: NEW YORK
- Location State: NY
- Location Zip Code: 10013
- Location Zip Code 4: Not reported

Mailing Info:
- Name: CON EDISON
- Contact: CON EDISON
- Address: 4 IRVING PL 15TH FL
- City/State/Zip: NEW YORK, NY 10003
- Country: USA
- Phone: 212-460-3770

Manifest:

- Document ID: Not reported
- Manifest Status: Not reported
- Trans1 State ID: NJ0000027193
- Trans2 State ID: Not reported
- Generator Ship Date: 01/21/2013
- Trans1 Recv Date: 01/21/2013
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 01/21/2013
- Part A Recv Date: Not reported
- Part B Recv Date: Not reported
- Generator EPA ID: NYP004284584
- Trans1 EPA ID: Not reported
- Trans2 EPA ID: Not reported
- TSDF ID: NJD002200046
- Waste Code: Not reported
- Quantity: 1500
- Units: P - Pounds
- Number of Containers: 1

CON EDISON SERVICE BOX: 28514 (Continued) **1016149792**

Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408528JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

J213 **CON EDISON** **NY MANIFEST** **S117319028**
SE **OPP 159 HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.143 mi.
756 ft. **Site 15 of 15 in cluster J**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYP004666582
Country:	USA
Location Address 1:	OPP 159 HUDSON ST
Location Address 2:	SB 37277
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	09/26/2014
Trans1 Recv Date:	09/26/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/30/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004666582
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported

CON EDISON (Continued) **S117319028**

Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002609746GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Q214 **481 WASHINGTON STREET REALTY CORP.** **NY AST** **A100292433**
NNE **481 WASHINGTON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.148 mi.
783 ft. **Site 1 of 11 in cluster Q**

Relative:
Higher

Actual:
7 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-607330
Program Type:	PBS
UTM X:	583637.09828000003
UTM Y:	4508945.6120300004
Expiration Date:	01/22/2012
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	29183
Affiliation Type:	Facility Owner
Company Name:	481 WASHINGTON SRTEET REALTY CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	481 WASHINGTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 677-8610
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/8/2011

Site Id:	29183
Affiliation Type:	Mail Contact
Company Name:	481 WASHINGTON STREET REALTY CORP.

481 WASHINGTON STREET REALTY CORP. (Continued) **A100292433**

Contact Type:	Not reported
Contact Name:	JERRY ATKINS
Address1:	481 WASHINGTON STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 677-8610
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/8/2011

Site Id:	29183
Affiliation Type:	On-Site Operator
Company Name:	481 WASHINGTON STREET REALTY CORP.
Contact Type:	Not reported
Contact Name:	HARRON ZIMMERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 297-4229
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/8/2011

Site Id:	29183
Affiliation Type:	Emergency Contact
Company Name:	481 WASHINGTON SRTEET REALTY CORP.
Contact Type:	Not reported
Contact Name:	HARRON ZIMMERMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 297-4229
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	12/8/2011

Tank Info:

Tank Number:	0001
Tank Id:	62742
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

481 WASHINGTON STREET REALTY CORP. (Continued) **A100292433**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/01/1900
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	08/24/2011
Register:	True
Modified By:	NRLOMBAR
Last Modified:	12/08/2011
Material Name:	#2 Fuel Oil (On-Site Consumption)

N215 **EAGLE TRANSFER CORPORATION** **NY AST** **U003396714**
ESE **40 LAIGHT STREET** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.148 mi.
784 ft. **Site 10 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-602557
Program Type:	PBS
UTM X:	583851.82198999997
UTM Y:	4508375.0833799997
Expiration Date:	11/27/2000
Site Type:	Other

Affiliation Records:

Site Id:	24514
Affiliation Type:	Facility Owner
Company Name:	KNICKERBOCKER RENTAL
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	413 HALF MOON BAY DRIVE
Address2:	Not reported
City:	CROTON ON THE HUDSON
State:	NY
Zip Code:	10520
Country Code:	001
Phone:	(914) 271-5523

EAGLE TRANSFER CORPORATION (Continued) **U003396714**

EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24514
Affiliation Type:	Mail Contact
Company Name:	EAGLE TRANSFER
Contact Type:	Not reported
Contact Name:	MICHAEL LENHARD
Address1:	40 LAIGHT STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 966-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24514
Affiliation Type:	On-Site Operator
Company Name:	EAGLE TRANSFER CORPORATION
Contact Type:	Not reported
Contact Name:	NICK BRIGLIA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	24514
Affiliation Type:	Emergency Contact
Company Name:	KNICKERBOCKER RENTAL
Contact Type:	Not reported
Contact Name:	NICK BRIGLIA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 848-5420
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

EAGLE TRANSFER CORPORATION (Continued) **U003396714**

Tank Info:

Tank Number:	01
Tank Id:	50435
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
B05 - Tank External Protection - Jacketed
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	1080
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-602557
SWIS Code:	6201
Operator:	NICK BRIGLIA
Facility Phone:	(212) 966-4100
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	NICK BRIGLIA
Emergency Tel:	(718) 848-5420
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	KNICKERBOCKER RENTAL
Owner Address:	413 HALF MOON BAY DRIVE
Owner City,St,Zip:	CROTON ON THE HUDSON, NY 10520
Federal ID:	Not reported
Owner Tel:	(914) 271-5523
Owner Type:	Private Resident
Owner Subtype:	Not reported
Mailing Contact:	MICHAEL LENHARD

EAGLE TRANSFER CORPORATION (Continued) **U003396714**

Mailing Name:	EAGLE TRANSFER
Mailing Address:	40 LAIGHT STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Telephone:	(212) 966-4100
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	11/28/1995
Expiration:	11/27/2000
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	1500
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	01
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	1500
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	15
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	00
Tank Containment:	None
Leak Detection:	00
Overfill Protection:	46
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

O216
East
1/8-1/4
0.148 mi.
784 ft.

CON EDISON SERVICE BOX: 28517
439 CANAL ST
NEW YORK, NY 10013

Site 6 of 6 in cluster O

RCRA-CESQG 1016149790
FINDS NYP004284568
NY MANIFEST

Relative:
Higher

Actual:
12 ft.

RCRA-CESQG:

Date form received by agency:	01/21/2013
Facility name:	CON EDISON SERVICE BOX: 28517
Facility address:	439 CANAL ST NEW YORK, NY 10013
EPA ID:	NYP004284568
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055465704

CON EDISON SERVICE BOX: 28517 (Continued) **1016149790**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284568
Country:	USA
Location Address 1:	439 CANAL ST
Location Address 2:	SERV BOX 28517
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/21/2013
Trans1 Recv Date:	01/21/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/21/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284568
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408526JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

CON EDISON SERVICE BOX: 28517 (Continued) **1016149790**

Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

L217 **EAGEL TRANSFER CORP** **NY AST** **U004077382**
NNE **483/487 GREENWICH ST** **N/A**
1/8-1/4 **NYC, NY 10013**
0.149 mi.
789 ft. **Site 23 of 23 in cluster L**

Relative:
Higher

Actual:
10 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-326135
Program Type: PBS
UTM X: 583674.82036999997
UTM Y: 4508755.4003699999
Expiration Date: 02/03/1998
Site Type: Other

Affiliation Records:
Site Id: 15182
Affiliation Type: Facility Owner
Company Name: BARARA GELLERT C/O G GELLERT
Contact Type: Not reported
Contact Name: Not reported
Address1: 17 VARICK ST
Address2: Not reported
City: NY
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 431-9000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 15182
Affiliation Type: Mail Contact
Company Name: BARARA GELLERT C/O G GELLERT
Contact Type: Not reported
Contact Name: Not reported
Address1: 17 VARICK ST
Address2: Not reported
City: NY
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 431-9000
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

EAGEL TRANSFER CORP (Continued) **U004077382**

Site Id:	15182
Affiliation Type:	On-Site Operator
Company Name:	EAGEL TRANSFER CORP
Contact Type:	Not reported
Contact Name:	BARARA GELLERT C/O G GELLERT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-4100
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	15182
Affiliation Type:	Emergency Contact
Company Name:	BARARA GELLERT C/O G GELLERT
Contact Type:	Not reported
Contact Name:	BARARA GELLERT C/O G GELLERT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 431-9000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	26433
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

EAGEL TRANSFER CORP (Continued) **U004077382**

Install Date:	Not reported
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

N218 **MH68032** **RCRA NonGen / NLR** **1007206894**
ESE **S/E/C E. 2ND STREET AND ELMWOO** **NY MANIFEST** **NYP004033064**
1/8-1/4 **NEW YORK CITY, NY 11218**
0.151 mi.
798 ft. **Site 11 of 16 in cluster N**

Relative:
Higher

Actual:
13 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/03/2001
Facility name:	MH68032
Facility address:	S/E/C E. 2ND STREET AND ELMWOO NEW YORK CITY, NY 11218
EPA ID:	NYP004033064
Mailing address:	CONSOLIDATED EDISON INC. 4 IRVING PLACE -- ROOM 300 NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC. NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/02/2001
Site name:	MH68032
Classification:	Not a generator, verified

MH68032 (Continued) **1007206894**

Date form received by agency: 01/01/2001
Site name: MH68032
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004033064
Country: USA
Location Address 1: 38 LAIGHT ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0216775
Manifest Status: Not reported
Trans1 State ID: SM1563
Trans2 State ID: Not reported
Generator Ship Date: 03/24/1999
Trans1 Recv Date: 03/24/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/25/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004033064
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity: 01015
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 1999

Document ID: NYE0070784
Manifest Status: Not reported
Trans1 State ID: 80336AB
Trans2 State ID: Not reported
Generator Ship Date: 12/07/1998
Trans1 Recv Date: 12/07/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 12/08/1998

MH68032 (Continued) **1007206894**

Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004033064
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D018 - BENZENE 0.5 MG/L TCLP
Quantity: 00691
Units: P - Pounds
Number of Containers: 001
Container Type: TP - Tanks, portable
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 1998

Document ID: NYE0278122
Manifest Status: Not reported
Trans1 State ID: 80680AE
Trans2 State ID: Not reported
Generator Ship Date: 03/24/1999
Trans1 Recv Date: 03/24/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/25/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004033064
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity: 00390
Units: K - Kilograms (2.2 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 01.00
Year: 1999

Document ID: NYE0242190
Manifest Status: Not reported
Trans1 State ID: 31877AJ
Trans2 State ID: Not reported
Generator Ship Date: 04/21/1999
Trans1 Recv Date: 04/21/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 04/21/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004033064
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB
Quantity: 00752
Units: K - Kilograms (2.2 pounds)

MH68032 (Continued) **1007206894**

Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 1999

R219 **NYCDEP MANHATTAN WATER TUNNEL NO.3 SHAFT 29B/PARCE** **NY UST** **U004149442**
SE **150 HUDSON STREET** **N/A**
1/8-1/4 **MANHATTAN, NY 10001**
0.155 mi.
818 ft. **Site 1 of 5 in cluster R**

Relative:
Higher

Actual:
14 ft.

UST:
Id/Status: 2-611248 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 02/10/2015
UTM X: 182527.96672999999
UTM Y: 4756644.4411199996
Site Type: Other

Affiliation Records:
Site Id: 424771
Affiliation Type: Facility Owner
Company Name: PORT AUTHORITY OF NY AND NJ
Contact Type: MGR
Contact Name: ROBERT EADICCO
Address1: 225 PARK AVE SOUTH
Address2: Not reported
City: MANHATTAN
State: NY
Zip Code: 10003
Country Code: 001
Phone: (212) 435-7000
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 6/15/2010

Site Id: 424771
Affiliation Type: Mail Contact
Company Name: PORT AUTHORITY OF NY AND NJ
Contact Type: Not reported
Contact Name: KAI Q. MOY, P.E.
Address1: 2 GATEWAY CENTER
Address2: 14TH FLR
City: NEWARK
State: NJ
Zip Code: 07102
Country Code: 001
Phone: (973) 565-7571
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 2/10/2010

Site Id: 424771

NYCDEP MANHATTAN WATER TUNNEL NO.3 SHAFT 29B/PARCE (Continued) **U004149442**

Affiliation Type:	On-Site Operator
Company Name:	NYCDEP MANHATTAN WATER TUNNEL NO.3 SHAFT 29B/PARCE
Contact Type:	Not reported
Contact Name:	MOHAMMAD ABBASZADEH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 967-2212
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/10/2010

Site Id:	424771
Affiliation Type:	Emergency Contact
Company Name:	PORT AUTHORITY OF NY AND NJ
Contact Type:	Not reported
Contact Name:	MOHAMMAD ABBASZADEH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 967-2212
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	2/10/2010

Tank Info:

Tank Number:	001
Tank ID:	232903
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	500
Install Date:	01/01/1959
Date Tank Closed:	10/14/2009
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	MSBAPTIS
Last Modified:	02/10/2010

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating

NYCDEP MANHATTAN WATER TUNNEL NO.3 SHAFT 29B/PARCE (Continued) **U004149442**

C00 - Pipe Location - No Piping
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G10 - Tank Secondary Containment - Impervious Underlayment (AG)
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

S220 **EMPIRE CITY SUBWAY** **NY MANIFEST** **1009232970**
North **CANAL STREET & WEST ST** **N/A**
1/8-1/4 **NEW YORK, NY 10007**
0.157 mi.
828 ft. **Site 1 of 3 in cluster S**

Relative:
Lower

Actual:
2 ft.

NY MANIFEST:

EPA ID:	NYP000902601
Country:	USA
Location Address 1:	CANAL STREET & WEST ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10007
Location Zip Code 4:	Not reported

Mailing Info:

Name:	EMPIRE CITY SUBWAY
Contact:	FRANK NEGLIA
Address:	140 WEST ST
City/State/Zip:	NEW YORK, NY 10007
Country:	USA
Phone:	212-577-3719

Manifest:

Document ID:	CTF0013325
Manifest Status:	Completed copy
Trans1 State ID:	72281ZNY
Trans2 State ID:	Not reported
Generator Ship Date:	07/22/1991
Trans1 Recv Date:	07/22/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/22/1991
Part A Recv Date:	/ /
Part B Recv Date:	08/07/1991
Generator EPA ID:	NYP000902601
Trans1 EPA ID:	NYD986908085
Trans2 EPA ID:	Not reported
TSDF ID:	CTD021816889
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	05460
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100

EMPIRE CITY SUBWAY (Continued) **1009232970**

Year: 1991

R221
ESE
1/8-1/4
0.157 mi.
828 ft.

CON EDISON **NY MANIFEST** **S117319607**
OPP 34 LAIGHT ST **N/A**
NEW YORK, NY 10013

Site 2 of 5 in cluster R

Relative:
Higher

Actual:
12 ft.

NY MANIFEST:

EPA ID:	NYP004676904
Country:	USA
Location Address 1:	OPP 34 LAIGHT ST
Location Address 2:	MH37957
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL
Address 2:	15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	10/14/2014
Trans1 Recv Date:	10/14/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/21/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004676904
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002609592GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

CON EDISON (Continued) **S117319607**

Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

R222 **ANDREWS BLDG CORP** **NY LTANKS** **S111319263**
SE **151 HUDSON ST** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.159 mi.
839 ft. **Site 3 of 5 in cluster R**

Relative:
Higher

Actual:
15 ft.

LTANKS:
Site ID: 457969
Spill Number/Closed Date: 1110168 / 11/15/2011
Spill Date: 11/14/2011
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Not reported
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: HRPATEL
Referred To: Not reported
Reported to Dept: 11/15/2011
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 11/15/2011
Spill Record Last Update: 11/15/2011
Spiller Name: JOHN WOLF
Spiller Company: ANDREWS BLDG CORP
Spiller Address: 151 HUDSON ST
Spiller City,St,Zip: MANHATTAN, NY
Spiller County: 999
Spiller Contact: JOHN WOLF
Spiller Phone: (917) 689-6941
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 412456
DEC Memo: refer to spill #: 1109875. case closed.
Remarks: Failed test. Repair & retest is being scheduled.

Material:
Site ID: 457969
Operable Unit ID: 1208089
Operable Unit: 01
Material ID: 2205402
Material Code: 0001A
Material Name: #2 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported

ANDREWS BLDG CORP (Continued) **S111319263**

Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

T223 **EDR US Hist Cleaners** **1015053750**
SSE **397 GREENWICH ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.160 mi.
845 ft. **Site 1 of 7 in cluster T**

Relative:
Higher

Actual:
13 ft.

EDR Historical Cleaners:
Name: TRIO CLEANERS INC
Year: 2005
Address: 397 GREENWICH ST

P224 **CON EDISON GAS MAIN** **RCRA NonGen / NLR** **1009218110**
ENE **255 HUDSON ST GAS MAIN** **NY MANIFEST** **NYP004137725**
1/8-1/4 **NEW YORK, NY 10001**
0.162 mi.
858 ft. **Site 2 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:
Date form received by agency: 11/25/2005
Facility name: CON EDISON GAS MAIN
Facility address: 255 HUDSON ST GAS MAIN
NEW YORK, NY 10001
EPA ID: NYP004137725
Mailing address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact: ANTONIO DELGADO
Contact address: 4 IRVING PL, RM 828
NEW YORK, NY 10003
Contact country: US
Contact telephone: (718) 204-4201
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

CON EDISON GAS MAIN (Continued) **1009218110**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/24/2005
Site name: CON EDISON
Classification: Not a generator, verified

Date form received by agency: 11/23/2005
Site name: CON EDISON
Classification: Unverified

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004137725
Country: USA
Location Address 1: 255 HUDSON ST EXCAV
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10012
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0628263
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 11/12/2005
Trans1 Recv Date: 11/12/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/14/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004137725
Trans1 EPA ID: 69526JR
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: D018 - BENZENE 0.5 MG/L TCLP
Quantity: 00040
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00

CON EDISON GAS MAIN (Continued) **1009218110**

Year: 2005

Q225
NNE
1/8-1/4
0.164 mi.
864 ft.

489 WASHINGTON ST
NEW YORK, NY 10013

Site 2 of 11 in cluster Q

EDR US Hist Auto Stat **1015516808**
N/A

Relative:
Higher

Actual:
7 ft.

EDR Historical Auto Stations:

Name: ERICSSON AUTO BODY INCORPORATED
Year: 1999
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INCORPORATED
Year: 2000
Address: 489 WASHINGTON ST

Name: DOMINO AUTO SERVICE INC
Year: 2001
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2002
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2003
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2004
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2006
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2007
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2008
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2009
Address: 489 WASHINGTON ST

Name: ABC ERICSON AUTOMOTIVE INC
Year: 2010
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC
Year: 2011
Address: 489 WASHINGTON ST

Name: ERICSSON AUTO BODY INC

(Continued) **1015516808**

Year: 2012
Address: 489 WASHINGTON ST

Q226 **LAVA, LLC** **NY UST** **U001841056**
NNE **503-509 GREENWICH STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.165 mi.
872 ft. **Site 3 of 11 in cluster Q**

Relative:
Higher

Actual:
10 ft.

UST:
Id/Status: 2-482080 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 12/14/2005
UTM X: 583687.26931999996
UTM Y: 4508863.38057
Site Type: Other

Affiliation Records:
Site Id: 21586
Affiliation Type: Facility Owner
Company Name: LAVA, LLC
Contact Type: Not reported
Contact Name: Not reported
Address1: 112 GREENE ST. #5
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10012
Country Code: 001
Phone: (212) 226-8949
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 21586
Affiliation Type: Mail Contact
Company Name: LAVA, LLC
Contact Type: Not reported
Contact Name: LESLIE SUTTON
Address1: 112 GREENE STREET
Address2: #5
City: NEW YORK
State: NY
Zip Code: 10012
Country Code: 001
Phone: (212) 226-8949
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 21586
Affiliation Type: On-Site Operator
Company Name: LAVA, LLC
Contact Type: Not reported

LAVA, LLC (Continued) **U001841056**

Contact Name:	LESLIE SUTTON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-8949
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21586
Affiliation Type:	Emergency Contact
Company Name:	LAVA, LLC
Contact Type:	Not reported
Contact Name:	MARK MCGAULEY
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-8949
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	39244
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	07/01/1979
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	05
Date Test:	09/01/1990
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None

LAVA, LLC (Continued) **U001841056**

D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

R227 **MINILAND PARTNERSHIP** **NY AST** **U003388213**
ESE **28 LAIGHT STREET** **NY HIST AST** **N/A**
1/8-1/4 **NY, NY 10013**
0.165 mi.
873 ft. **Site 4 of 5 in cluster R**

Relative:
Higher

Actual:
12 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-260479
Program Type:	PBS
UTM X:	583938.58036999998
UTM Y:	4508366.8506399998
Expiration Date:	07/10/1992
Site Type:	Other

Affiliation Records:

Site Id:	10878
Affiliation Type:	Facility Owner
Company Name:	MINILAND PARTNERSHIP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	28 LAIGHT ST
Address2:	Not reported
City:	NY
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 966-9777
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	10878
Affiliation Type:	Mail Contact
Company Name:	MINILAND PARTNERSHIP
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	28 LAIGHT ST
Address2:	Not reported
City:	NY
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 966-9777
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

MINILAND PARTNERSHIP (Continued) **U003388213**

Site Id:	10878
Affiliation Type:	On-Site Operator
Company Name:	MINILAND PARTNERSHIP
Contact Type:	Not reported
Contact Name:	OWNER OF FUEL OIL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-9777
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	10878
Affiliation Type:	Emergency Contact
Company Name:	MINILAND PARTNERSHIP
Contact Type:	Not reported
Contact Name:	JOE HARTMAN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 966-9777
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	13431
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported

MINILAND PARTNERSHIP (Continued) **U003388213**

Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	04/01/1989
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-260479
SWIS Code:	6201
Operator:	OWNER OF FUEL OIL
Facility Phone:	(212) 966-9777
Facility Addr2:	28 LAIGHT STREET
Facility Type:	OTHER
Emergency:	JOE HARTMAN
Emergency Tel:	(212) 966-9777
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	MINILAND PARTNERSHIP
Owner Address:	28 LAIGHT ST
Owner City,St,Zip:	NY, NY 10013
Federal ID:	Not reported
Owner Tel:	(212) 966-9777
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	MINILAND PARTNERSHIP
Mailing Address:	28 LAIGHT ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NY, NY 10013
Mailing Telephone:	(212) 966-9777
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Certification Flag:	False
Certification Date:	07/10/1987
Expiration:	07/10/1992
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001

MINILAND PARTNERSHIP (Continued) **U003388213**

Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Tank Status:	Closed-Removed
Install Date:	Not reported
Capacity (Gal):	2000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	Not reported
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	04/01/1989
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

R228 **145 HUDSON STREET CONDO** **NY AST** **U004076198**
SE **145 HUDSON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.166 mi.
875 ft. **Site 5 of 5 in cluster R**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-055220
Program Type:	PBS
UTM X:	583771.49667999998
UTM Y:	4508217.6392400004
Expiration Date:	12/02/2016
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	818
Affiliation Type:	Facility Owner
Company Name:	STANLEY D. SCOTT
Contact Type:	MGR
Contact Name:	LAUREN GEMINDER
Address1:	145 HUDSON ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 226-7105
EMail:	Not reported
Fax Number:	Not reported

145 HUDSON STREET CONDO (Continued) **U004076198**

Modified By:	MSBAPTIS
Date Last Modified:	12/5/2011
Site Id:	818
Affiliation Type:	Mail Contact
Company Name:	COOPER SQUARE REALTY
Contact Type:	Not reported
Contact Name:	LAUREN GEMINDER
Address1:	622 THIRD AVE
Address2:	15TH FLR
City:	NEW YORK
State:	NY
Zip Code:	10017
Country Code:	001
Phone:	(212) 634-5491
EMail:	LAREN.GEMINDER@COOPERSQUARE.COM
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/5/2011
Site Id:	818
Affiliation Type:	On-Site Operator
Company Name:	145 HUDSON STREET CONDO
Contact Type:	Not reported
Contact Name:	HUGO GAMARRA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-7105
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/5/2011
Site Id:	818
Affiliation Type:	Emergency Contact
Company Name:	STANLEY D. SCOTT
Contact Type:	Not reported
Contact Name:	STANLEY D. SCOTT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 758-2426
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	12/5/2011

Tank Info:

Tank Number:	001

145 HUDSON STREET CONDO (Continued) **U004076198**

Tank Id: 1761
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
C03 - Pipe Location - Aboveground/Underground Combination
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 05/01/1966
Capacity Gallons: 10000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: NRLOMBAR
Last Modified: 08/06/2010
Material Name: #6 Fuel Oil (On-Site Consumption)

T229 **EDR US Hist Cleaners** **1015053567**
South **395 GREENWICH ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.167 mi.
880 ft. **Site 2 of 7 in cluster T**

Relative:
Higher

Actual:
12 ft.

EDR Historical Cleaners:

Name: NEW TRIO CLEANERS
Year: 2005
Address: 395 GREENWICH ST

Name: NEW TRIO CLEANERS
Year: 2008
Address: 395 GREENWICH ST

Name: NEW TRIO CLEANERS INC
Year: 2010
Address: 395 GREENWICH ST

Name: NEW TRIO CLEANERS
Year: 2011
Address: 395 GREENWICH ST

Name: NEW TRIO CLEANERS
Year: 2012

(Continued) **1015053567**

Address: 395 GREENWICH ST

P230 **KARR GRAPHICS** **RCRA NonGen / NLR** **1001405170**
NE **250 HUDSON STREET** **FINDS** **NYR000066340**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.167 mi. **US AIRS**
881 ft. **Site 3 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	BRITA LITHO
Facility address:	250 HUDSON ST NEW YORK, NY 10013
EPA ID:	NYR000066340
Mailing address:	HUDSON ST NEW YORK, NY 10013
Contact:	THOMAS GALANTE
Contact address:	HUDSON ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 555-1212
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	JACK RESNICK & SONS
Owner/operator address:	110 E 59TH ST NEW YORK, NY 10022
Owner/operator country:	US
Owner/operator telephone:	(212) 421-1300
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	JACK RESNICK & SONS
Owner/operator address:	110 E 59TH ST NEW YORK, NY 10022
Owner/operator country:	US
Owner/operator telephone:	(212) 421-1300
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

KARR GRAPHICS (Continued) **1001405170**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: BRITA LITHO
Classification: Not a generator, verified

Date form received by agency: 02/01/1999
Site name: BRITA LITHO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110009487135

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

AIR SYNTHETIC MINOR

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110019428029

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

KARR GRAPHICS (Continued) **1001405170**

Registry ID: 110019254670

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:

EPA ID:	NYR000066340
Country:	USA
Location Address 1:	250 HUDSON ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	BRITA LITHO
Contact:	JAMES COSENTINO
Address:	250 HUDSON ST
City/State/Zip:	NEW YORK, NY 10013
Country:	USA
Phone:	212-929-0624

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD000692061
Generator Ship Date:	09/20/2008
Trans1 Recv Date:	09/24/2008
Trans2 Recv Date:	09/30/2008
TSD Site Recv Date:	10/01/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000066340
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NCD000648451
Waste Code:	Not reported
Quantity:	80.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001192761FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

KARR GRAPHICS (Continued) **1001405170**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD039322250
Trans2 State ID:	NJD000692061
Generator Ship Date:	09/20/2008
Trans1 Recv Date:	09/24/2008
Trans2 Recv Date:	09/30/2008
TSD Site Recv Date:	10/01/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000066340
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NCD000648451
Waste Code:	Not reported
Quantity:	40.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	001192761FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

AIRS (AFS):

Compliance and Violation Data Major Sources:

EPA plant ID:	110009487135
Plant name:	BRITA LITHO INC
Plant address:	250 HUDSON STREET NEW YORK, NY 10013
County:	NEW YORK
Region code:	02
Dunn & Bradst #:	Not reported
Air quality cntrl region:	043
Sic code:	2752
Sic code desc:	COMMERCIAL PRINTING, LITHOGRAPHIC
North Am. industrial classf:	Not reported
NAIC code description:	Not reported

KARR GRAPHICS (Continued) **1001405170**

Default compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification: POTENTIAL EMISSIONS ARE BELOW ALL APPLICABLE MAJOR SOURCE THRESHOLDS IF AND ONLY IF THE SOURCE COMPLIES WITH FEDERALLY ENFORCEABLE REGULATIONS OR LIMITATIONS.
Govt facility: ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV: Not reported

P231 **P D M LITHO** **RCRA NonGen / NLR** **1001460207**
NE **250 HUDSON ST 8TH FLOOR** **NYR000066498**
1/8-1/4 **NEW YORK, NY 10013**
0.167 mi.
881 ft. **Site 4 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: P D M LITHO
Facility address: 250 HUDSON ST 8TH FLOOR
NEW YORK, NY 10013
EPA ID: NYR000066498
Mailing address: HUDSON ST 8TH FLOOR
NEW YORK, NY 10013
Contact: TOM ADAMS
Contact address: HUDSON ST 8TH FLOOR
NEW YORK, NY 10013
Contact country: US
Contact telephone: (212) 989-3445
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: JACK RESNICK & SONS
Owner/operator address: 250 HUDSON ST
NEW YORK, NY 10019
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: JACK RESNICK & SONS
Owner/operator address: 250 HUDSON ST
NEW YORK, NY 10019
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

P D M LITHO (Continued) **1001460207**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: P D M LITHO
Classification: Not a generator, verified

Date form received by agency: 02/03/1999
Site name: P D M LITHO
Classification: Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

P232 **250 HUDSON STREET** **NY AST** **U003396341**
NE **250 HUDSON STREET** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.167 mi.
881 ft. **Site 5 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-601839
Program Type: PBS
UTM X: 583826.98153999995
UTM Y: 4508577.4112799997
Expiration Date: 05/06/2004
Site Type: Other

Affiliation Records:
Site Id: 23801
Affiliation Type: Facility Owner
Company Name: 250 HUDSON CO.
Contact Type: Not reported
Contact Name: Not reported
Address1: 100 EAST 59TH STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 421-1300

250 HUDSON STREET (Continued) **U003396341**

EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 23801
Affiliation Type: Mail Contact
Company Name: JACK RESNICK & SONS, INC.
Contact Type: Not reported
Contact Name: MARVIN WAX
Address1: 110 EAST 59TH STREET
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10022
Country Code: 001
Phone: (212) 421-1300
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 23801
Affiliation Type: On-Site Operator
Company Name: 250 HUDSON STREET
Contact Type: Not reported
Contact Name: GEORGE ROA
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 929-5882
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 23801
Affiliation Type: Emergency Contact
Company Name: 250 HUDSON CO.
Contact Type: Not reported
Contact Name: MARVIN WAX
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 570-6674
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

250 HUDSON STREET (Continued) **U003396341**

Tank Info:

Tank Number:	001
Tank Id:	48015
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I05 - Overfill - Vent Whistle
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
G99 - Tank Secondary Containment - Other
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	15000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)

HIST AST:

PBS Number:	2-601839
SWIS Code:	6201
Operator:	GEORGE ROA
Facility Phone:	(212) 929-5882
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	MARVIN WAX
Emergency Tel:	(212) 570-6674
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	250 HUDSON CO.
Owner Address:	100 EAST 59TH STREET
Owner City,St,Zip:	NEW YORK, NY 10022
Federal ID:	Not reported
Owner Tel:	(212) 421-1300
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	MARVIN WAX
Mailing Name:	JACK RESNICK & SONS, INC.
Mailing Address:	110 EAST 59TH STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10022

250 HUDSON STREET (Continued) **U003396341**

Mailing Telephone:	(212) 421-1300
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	04/06/1999
Expiration:	05/06/2004
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	15000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01
Region:	2

Tank ID:	001
Tank Location:	ABOVEGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (Gal):	15000
Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	0
Tank External:	0
Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON
Pipe Internal:	None
Pipe External:	0
Tank Containment:	Double-Walled
Leak Detection:	0
Overfill Protection:	6
Dispenser Method:	Gravity
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	No Missing Data
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	True
SPDES Number:	Not reported
Lat/Long:	Not reported

Q233
NNE
1/8-1/4
0.167 mi.
884 ft.

507-509 GREENWICH ST
507-509 GREENWICH ST
MANHATTAN, NY

Site 4 of 11 in cluster Q

NY LTANKS **S104277297**
N/A

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	298985
Spill Number/Closed Date:	9806774 / 9/9/1998
Spill Date:	8/28/1998
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	9/2/1998
CID:	257
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	9/2/1998
Spill Record Last Update:	6/18/2004
Spiller Name:	Not reported
Spiller Company:	GREENWICH CARRIAGE HOUSE
Spiller Address:	507-509 GREENWICH ST
Spiller City,St,Zip:	MANHATTEN, NY
Spiller County:	001
Spiller Contact:	TOM PONZIO
Spiller Phone:	(212) 673-0990
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	241889
DEC Memo:	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.
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.

Material:

Site ID:	298985
Operable Unit ID:	1067929
Operable Unit:	01
Material ID:	317918
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

507-509 GREENWICH ST (Continued) **S104277297**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

Q234 **507-509 GREENWICH STREET** **NY LTANKS** **S104275598**
NNE **507-509 GREENWICH STREET** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
0.167 mi.
884 ft. **Site 5 of 11 in cluster Q**

Relative:
Higher

Actual:
10 ft.

LTANKS:
Site ID: 117540
Spill Number/Closed Date: 9006678 / 12/3/1999
Spill Date: 9/18/1990
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SULLIVAN
Referred To: Not reported
Reported to Dept: 9/18/1990
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 9/20/1990
Spill Record Last Update: 12/3/1999
Spiller Name: QUEVA J. LUTZ
Spiller Company: GREENWICH CARRIAGE HOUSE
Spiller Address: 503 GREENWICH STREET
Spiller City,St,Zip: MANHATTAN, NY 10013-
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: (212) 966-4335
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 102245
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SULLIVAN/MULQUEEN"REFER TO SPILL # 98-06774, MULQUEEN SPILL.
Remarks: 4K TANK FAILED HYDROSTATIC TEST, WILL EXCAVATE, ISOLATE & RETEST.

Material:
Site ID: 117540
Operable Unit ID: 947221
Operable Unit: 01
Material ID: 434127
Material Code: 0008
Material Name: Diesel
Case No.: Not reported

507-509 GREENWICH STREET (Continued) **S104275598**

Material FA: Petroleum
Quantity: -1
Units: Pounds
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 117540
Spill Tank Test: 1537557
Tank Number: Not reported
Tank Size: 0
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Unknown

P235 **NYCDEP** **NY MANIFEST** **1009235569**
NE **47 RENWICK AVE** **N/A**
1/8-1/4 **NEW YORK, NY**
0.168 mi.
889 ft. **Site 6 of 11 in cluster P**

Relative:
Higher

Actual:
12 ft.

NY MANIFEST:
EPA ID: NYP003660313
Country: USA
Location Address 1: 47 RENWICK AVE
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: NYCDEP
Contact: ELIE SAINT-JEAN
Address: 59-17 JUNCTION BLVD-11TH FLR
City/State/Zip: FLUSHING, NY 11368
Country: USA
Phone: 718-595-4784

Manifest:

Document ID: NYG0192339
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 12/04/1997
Trans1 Recv Date: 12/04/1997
Trans2 Recv Date: / /
TSD Site Recv Date: 12/05/1997
Part A Recv Date: 01/20/1998
Part B Recv Date: 01/07/1998
Generator EPA ID: NYP003660313

NYCDEP (Continued) **1009235569**

Trans1 EPA ID:	NYD986893261
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

P236 **261 HUDSON STREET DEVELOPMENT** **NY UST** **U004225811**
NE **261 HUDSON STREET** **N/A**
1/8-1/4 **MANHATTAN, NY 10013**
0.169 mi.
893 ft. **Site 7 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

UST:

Id/Status:	2-612312 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	03/26/2017
UTM X:	Not reported
UTM Y:	Not reported
Site Type:	Other

Affiliation Records:

Site Id:	501072
Affiliation Type:	Facility Owner
Company Name:	BRIDGE LAND HUDSON LLC C/O RELATED COMPANIES
Contact Type:	EXECUTIVE VICE PRESIDENT
Contact Name:	BRYAN CHO
Address1:	60 COLUMBUS CIRCLE, ATTN. BRYAN CHO
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 801-1145
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	10/21/2014

Site Id:	501072
Affiliation Type:	Mail Contact
Company Name:	RELATED COMPANIES
Contact Type:	Not reported
Contact Name:	BRYAN CHO
Address1:	60 COLUMBUS CIRCLE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 801-1145

261 HUDSON STREET DEVELOPMENT (Continued) **U004225811**

EMail: BCHO@RELATED.COM
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 10/21/2014

Site Id: 501072
Affiliation Type: On-Site Operator
Company Name: 261 HUDSON STREET DEVELOPMENT
Contact Type: Not reported
Contact Name: JULIANN BERGANO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 801-3350
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 10/21/2014

Site Id: 501072
Affiliation Type: Emergency Contact
Company Name: BRIDGE LAND HUDSON LLC C/O RELATED COMPANIES
Contact Type: Not reported
Contact Name: BRYAN CHO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 801-1145
EMail: Not reported
Fax Number: Not reported
Modified By: CGFREEDM
Date Last Modified: 10/21/2014

Tank Info:

Tank Number: 1
Tank ID: 253364
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: 06/09/2014
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LSZINOMA
Last Modified: 11/21/2014

261 HUDSON STREET DEVELOPMENT (Continued) **U004225811**

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	2
Tank ID:	253365
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	06/09/2014
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LSZINOMA
Last Modified:	11/21/2014

Equipment Records:

I00 - Overfill - None
L00 - Piping Leak Detection - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	3
Tank ID:	253366
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1080
Install Date:	Not reported
Date Tank Closed:	06/09/2014
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]

261 HUDSON STREET DEVELOPMENT (Continued) **U004225811**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LSZINOMA
Last Modified: 11/21/2014

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 4
Tank ID: 253367
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 1080
Install Date: Not reported
Date Tank Closed: 06/12/2014
Registered: True
Tank Location: Underground
Tank Type: Fiberglass reinforced plastic [FRP]
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LSZINOMA
Last Modified: 11/21/2014

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number: 5
Tank ID: 253368
Tank Status: Closed - Removed
Material Name: Closed - Removed

261 HUDSON STREET DEVELOPMENT (Continued) **U004225811**

Capacity Gallons:	1080
Install Date:	Not reported
Date Tank Closed:	06/12/2014
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LSZINOMA
Last Modified:	11/21/2014

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	6
Tank ID:	253369
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	06/13/2014
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LSZINOMA
Last Modified:	11/21/2014

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

261 HUDSON STREET DEVELOPMENT (Continued) **U004225811**

Tank Number:	7
Tank ID:	253370
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1080
Install Date:	Not reported
Date Tank Closed:	06/13/2014
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LSZINOMA
Last Modified:	11/21/2014

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Number:	8
Tank ID:	253371
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1080
Install Date:	Not reported
Date Tank Closed:	07/02/2014
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass reinforced plastic [FRP]
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LSZINOMA
Last Modified:	11/21/2014

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I00 - Overfill - None
L00 - Piping Leak Detection - None

261 HUDSON STREET DEVELOPMENT (Continued) **U004225811**

B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

P237 **LOT 87,TAXBLOCK 594** **NY BROWNFIELDS S108075457**
NE **261 HUDSON STREET** **NY E DESIGNATION N/A**
1/8-1/4 **MANHATTAN, NY 10013**
0.169 mi.
893 ft. **Site 8 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

BROWNFIELDS:
Program: BCP
Site Code: 483976
Acres: .602
HW Code: C231084
SWIS: 3101
Town: New York City
Update By: MJKOMORO
Site Description: Location: The 261 Hudson Street Development site is located on the west side of Manhattan in the Hudson Square section of the city. The site is bounded by commercial properties and Spring Street to the north, Hudson Street to the east, commercial/residential properties and Canal Street to the south, and Renwick Street to the west. Site Features: The site is formally identified as 261 Hudson Street, Block 594, Lot 87. Lot 87 encompasses approximately 0.61 acres of property. On April 18, 2013, the NYC Department of Finance approved an application for a lot merger to consolidate lots 61, 69 and 94 into lot 87. Thus, the site (lot 87) includes parcels that which had been until recently, four separate properties. The current status of the site and former parcels is as follows: Lot 87 (80% of site) includes a one story vacant building; lot 61 (1%) is vacant property; lot 69 (11%) includes a vacant three story building and lot 94 (9%) is a parking lot.The Manhattan bound tube of the Holland Tunnel, running northwest-southeast in the area is just north of the site. The tunnel exit is one block east of the site. The Hudson River is located approximately 0.2 miles west of the site.Current Zoning and Land Use: The site is zoned C6-2A for commercial use, which has a residential equivalent of R8A. The block was included as part of the recent Hudson Square District rezoning. The intended use of the site is for commercial and restricted residential Use. Past Use of the Site: Lot 69 (northwestern portion of the property) was used for unspecified manufacturing in 1950 and commercial/office space from 1968-2011. Lot 87 (central portion of the property) was occupied from 1950 through 1968 by a motor freight station which reportedly had two underground storage tanks for gasoline. From 1976 to 2005 the building was used as a NYC Waterfront Community Hiring Hall and was most recently used as event space up until 2012. Lot 94 (southern portion of the property) has been vacant since 1950 and is currently a parking lot. Prior to 1950, this lot was occupied by a multi-story residential building with ground-level stores. Lot 61 has always been vacant. Site Geology and Hydrogeology: The ground level elevation on the property ranges from approximately 13 to 15 feet above mean sea level.The topography of the site and the surrounding area slopes gently to the west towards the Hudson River. The site is underlain by a layer of historic fill that is approximately 7 to 19 feet thick starting just below the ground and pavement surface. The historic fill generally consists of fine to coarse brown sand with some silt,

LOT 87,TAXBLOCK 594 (Continued) **S108075457**

gravel, brick, wood, asphalt, and concrete. The native soils below the historic fill consist of reddish brown sand with some silt and clay. The average depth to groundwater is 13.7 feet below ground surface (bgs), with the range in depth from 11.8 feet to 16.4 feet. Groundwater flow is from the southeast to northwest towards the Hudson River.Milestones:10/3/13 - DEC signed the Brownfield Cleanup Program Acceptance Letter for this site.11/6/13 - Brownfield Cleanup Agreement executed. 11/25/13 - The Remedial Action Work Plan was approved and the Decision Document was signed. 01/06/14 - Cleanup action anticipated to begin.

Env Problem: Nature and Extent of Contamination:Soil - A total of 20 subsurface soil samples were collected at the site. Fourteen of these samples were of the historic fill materials at various depths and six were of the native soils beneath. The fill materials are impacted above both the Part 375 unrestricted and restricted residential use SCOs for PAHs and selected metals. PAHs in the historic fill were found at concentrations up to approximately 400 times the cleanup standards (benzo[a]pyrene at 390 ppm) and lead was found above the cleanup standards (400 ppm) at 2,650 ppm. The native soils below the fill are generally not impacted. Groundwater - PCE is found in groundwater at one monitoring well location in the north central end of the property. The 9.7 ppb concentration of PCE in this well is only marginally above the groundwater standard of 5.0 ppb. Filtered samples of groundwater exceeded SCGs for the common salts, sodium, manganese and magnesium as well as for iron and selenium.Soil Vapor - Soil vapor on the property was found to be impacted by chlorinated solvents at all five locations sampled. PCE was detected at all locations in the range of 20 to 120 ug/cubic meter. TCE was detected at four of the five locations in the range of 28 to 63 ug/cubic meter. Not reported

Health Problem: People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. The site is fenced and mostly covered by asphalt or concrete, therefore it is unlikely that people will come into contact with contaminated soil. However, persons who enter the site could contact contaminants in the soil by walking on or otherwise disturbing exposed soil, or by digging beneath the surface. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. The potential for soil vapor intrusion to occur on and off-site needs to be evaluated.

E DESIGNATION:

Tax Lot(s):	87
Tax Block:	594
Borough Code:	MN
E-No:	E-116
Effective Date:	8/19/2003
Satisfaction Date:	Not reported
Ceqr Number:	03DCP014M
Ulurp Number:	030237 ZMM
Zoning Map No:	12a
Description:	Underground Gasoline Storage Tanks* Testing Protocol.
Lot Remediation Date:	Not reported

P238 **BRIDGE LAND HUDSON LLC** **RCRA NonGen / NLR** **1016678158**
NE **261 HUDSON ST** **FINDS** **NYR000209056**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.169 mi.
893 ft. **Site 9 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

RCRA NonGen / NLR:

Date form received by agency:	07/16/2014
Facility name:	BRIDGE LAND HUDSON LLC
Facility address:	261 HUDSON ST NEW YORK, NY 10013
EPA ID:	NYR000209056
Mailing address:	COLUMBUS CIR NEW YORK, NY 10023
Contact:	BRYAN CHO
Contact address:	COLUMBUS CIR NEW YORK, NY 10023
Contact country:	US
Contact telephone:	(212) 801-1145
Contact email:	BCHO@RELATED.COM
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BRIDGE LAND HUDSON LLC
Owner/operator address:	COLUMBUS CIR NEW YORK, NY 10023
Owner/operator country:	US
Owner/operator telephone:	(212) 801-1145
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/26/2012
Owner/Op end date:	Not reported

Owner/operator name:	BRIDGE LAND HUDSON LLC
Owner/operator address:	COLUMBUS CIR NEW YORK, NY 10023
Owner/operator country:	US
Owner/operator telephone:	(212) 801-1145
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	03/26/2012
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 04/08/2014
Site name: BRIDGE LAND HUDSON LLC
Classification: Large Quantity Generator

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110058881232

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000209056
Country: USA
Location Address 1: 261 HUDSON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: BRIDGE LAND HUDSON LLC
Contact: BRIDGE LAND HUDSON LLC
Address: 261 HUDSON ST
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: Not reported

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: PAD146714878
Trans2 State ID: Not reported
Generator Ship Date: 09/11/2014
Trans1 Recv Date: 09/11/2014
Trans2 Recv Date: Not reported

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	49020
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121902JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/17/2014
Trans1 Recv Date:	09/17/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	53060
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121931JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	44500
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121916JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	41420
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121917JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	52860
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121918JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	51240
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121919JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	53660
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Year:	2014
Manifest Tracking Num:	013121920JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	49680
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121921JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	50940
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121922JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	48840
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121923JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	48000
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121924JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/12/2014
Trans1 Recv Date:	09/12/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/12/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	44980
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121925JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/16/2014
Trans1 Recv Date:	09/16/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/16/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	48920
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121927JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Mgmt Method Type Code: H110

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: PAD146714878
Trans2 State ID: Not reported
Generator Ship Date: 09/16/2014
Trans1 Recv Date: 09/16/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/16/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000209056
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 54820
Units: P - Pounds
Number of Containers: 1
Container Type: DT - Dump trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2014
Manifest Tracking Num: 013121928JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: Y
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: PAD146714878
Trans2 State ID: Not reported
Generator Ship Date: 09/16/2014
Trans1 Recv Date: 09/16/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/16/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000209056
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 51400
Units: P - Pounds
Number of Containers: 1

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121929JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878
Trans2 State ID:	Not reported
Generator Ship Date:	09/17/2014
Trans1 Recv Date:	09/17/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/17/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	53000
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121930JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	PAD146714878

BRIDGE LAND HUDSON LLC (Continued) **1016678158**

Trans2 State ID:	Not reported
Generator Ship Date:	09/11/2014
Trans1 Recv Date:	09/11/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/11/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000209056
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	47400
Units:	P - Pounds
Number of Containers:	1
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	013121915JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

T239 **EDR US Hist Auto Stat** **1015556481**
SSE **57 BEACH ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.170 mi.
896 ft. **Site 3 of 7 in cluster T**

Relative: Higher

Actual: 15 ft.

EDR Historical Auto Stations:

Name:	MANHATTAN CAR SERVICE
Year:	2000
Address:	57 BEACH ST

Q240 **BARRETTI CARTING CORP.** **NY SWF/LF** **S105841764**
NNE **509 GREENWICH STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.173 mi.
911 ft. **Site 6 of 11 in cluster Q**

Relative: Higher

Actual: 10 ft.

SWF/LF:

Flag:	INACTIVE
Region Code:	2
Phone Number:	2129257056
Owner Name:	Not reported
Owner Type:	Not reported
Owner Address:	Not reported

BARRETTI CARTING CORP. (Continued) **S105841764**

Owner Addr2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	PHILIP BARRETTI; PRESIDENT
Contact Address:	Not reported
Contact Addr2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	Transfer station - permit
Activity Number:	[31T06]
Active:	No
East Coordinate:	583600
North Coordinate:	4508900
Accuracy Code:	Not reported
Regulatory Status:	Not reported
Waste Type:	Not reported
Authorization #:	2-6205-00036
Authorization Date:	Not reported
Expiration Date:	Not reported

N241 **AT & T** **RCRA-CESQG** **1016678085**
ESE **4 VESTRY ST EQUIP RM 4TH FL** **FINDS** **NYR000208306**
1/8-1/4 **NEW YORK, NY 10013**
0.173 mi.
914 ft. **Site 12 of 16 in cluster N**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	03/18/2014
Facility name:	AT & T
Facility address:	4 VESTRY ST EQUIP RM 4TH FL NEW YORK, NY 10013
EPA ID:	NYR000208306
Mailing address:	VESTRY ST EQUIP RM 4TH FL NEW YORK, NY 10013
Contact:	ED HARKEY
Contact address:	MT KEMBLE AVE MORRISTOWN, NJ 07960
Contact country:	US
Contact telephone:	(201) 576-2019
Contact email:	EH7386@ATT.COM
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

AT & T (Continued) **1016678085**

Owner/Operator Summary:

Owner/operator name:	AT&T
Owner/operator address:	Not reported
	Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	03/18/2014
Owner/Op end date:	Not reported

Owner/operator name:	PORT AUTHORITY OF NY & NJ
Owner/operator address:	PARK AVE S
	NEW YORK, NY 11003
Owner/operator country:	US
Owner/operator telephone:	(212) 435-7777
Legal status:	Other
Owner/Operator Type:	Owner
Owner/Op start date:	04/20/1921
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D002
. Waste name:	CORROSIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110058880527

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

N242 **YURMAN DESIGN INC** **RCRA-CESQG** **1012186721**
ESE **24 VESTRY ST** **NYR000165837**
1/8-1/4 **NEW YORK, NY 10013**
0.173 mi.
914 ft. **Site 13 of 16 in cluster N**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	06/25/2009
Facility name:	YURMAN DESIGN INC
Facility address:	24 VESTRY ST NEW YORK, NY 10013
EPA ID:	NYR000165837
Mailing address:	VESTRY ST NEW YORK, NY 10013
Contact:	JOHN BERG
Contact address:	VESTRY ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(646) 264-7408
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	YURMAN DESIGN INC
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	08/01/2003
Owner/Op end date:	Not reported

Owner/operator name:	DAVID YURMAN
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	08/01/2003
Owner/Op end date:	Not reported

YURMAN DESIGN INC (Continued) **1012186721**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

N243 **THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL** **RCRA-LQG** **1000390996**
ESE **4 VESTRY STREET** **NJ MANIFEST** **NYD981489271**
1/8-1/4 **NEW YORK CITY, NY 10013** **NY MANIFEST**
0.173 mi.
914 ft. **Site 14 of 16 in cluster N**

Relative:
Higher

Actual:
10 ft.

RCRA-LQG:
- Date form received by agency: 01/18/2008
- Facility name: THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL
- Facility address: 4 VESTRY STREET
  NEW YORK CITY, NY 10013
- EPA ID: NYD981489271
- Mailing address: PROVOST STREETS
  JERSEY CITY, NJ 07310
- Contact: DONNA BRUNO
- Contact address: Not reported
  Not reported
- Contact country: Not reported
- Contact telephone: (201) 360-5008
- Contact email: D.BRUNO@PANYNJ.GOV
- EPA Region: 02
- Land type: State
- Classification: Large Quantity Generator
- Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Owner/Operator Summary:
- Owner/operator name: THE PORT AUTHORITY OF NY & NJ
- Owner/operator address: MADISON AVENUE
  NEW YORK CITY, NY 10010
- Owner/operator country: US
- Owner/operator telephone: Not reported
- Legal status: State
- Owner/Operator Type: Owner
- Owner/Op start date: 12/31/1979
- Owner/Op end date: Not reported

- Owner/operator name: THE PORT AUTHORITY OF NY & NJ
- Owner/operator address: MADISON AVENUE
  NEW YORK CITY, NY 10010
- Owner/operator country: US
- Owner/operator telephone: Not reported
- Legal status: State
- Owner/Operator Type: Operator
- Owner/Op start date: 12/31/1979
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Universal Waste Summary:
- Waste type: Batteries
- Accumulated waste on-site: Yes
- Generated waste on-site: Not reported

- Waste type: Lamps
- Accumulated waste on-site: Yes
- Generated waste on-site: Not reported

. Waste code: D008
. Waste name: LEAD

Historical Generators:
- Date form received by agency: 01/01/2007
- Site name: PORT AUTHORITY HOLLAND TUNNEL- NY
- Classification: Small Quantity Generator

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Date form received by agency: 02/14/2006
Site name: PORT AUTHORITY HOLLAND TUNNEL- NY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/13/2006
Site name: PORT AUTHORITY HOLLAND TUNNEL- NY
Classification: Small Quantity Generator

Date form received by agency: 02/25/2004
Site name: PORT AUTHORITY HOLLAND TUNNEL-NY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

. Waste code: D018
. Waste name: BENZENE

Date form received by agency: 07/13/1998
Site name: PORT AUTHORITY OF NY & NJ
Classification: Large Quantity Generator

Date form received by agency: 08/04/1986
Site name: PORT AUTH OF NY & NJ - HOLLAND TUNNEL
Classification: Large Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/11/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/30/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

NJ MANIFEST:

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

EPA Id:	NYD981489271
Mail Address:	241 ERIE ST RM 306A
Mail City/State/Zip:	JERSEY CITY 07310
Facility Phone:	2012162894
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	008928306JJK
EPA ID:	NYD981489271
Date Shipped:	11/10/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	PORT AUTHORITY OF NY & NJ
Transporter-1 EPA Facility Name:	AUCHTER INDUSTRIAL VAC SERVICE INC
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	11/10/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	11/10/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Reason Load Was Rejected: Not reported

Waste:
Manifest Year: 2011 New Jersey Manifest Data
Waste Code: D008
Hand Code: H141
Quantity: 200.00 Pounds

Manifest Number: NJA5228906
EPA ID: NYD981489271
Date Shipped: 02/11/2005
TSDF EPA ID: NJD991291105
Transporter EPA ID: NJD980772768
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 02/11/2005
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 02/11/2005
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: 04180521
Was Load Rejected: JERSEY CITY 07310
Reason Load Was Rejected: Not reported

Manifest Number: 000200155WAS
EPA ID: NYD981489271
Date Shipped: 08/09/2010
TSDF EPA ID: NJD991291105
Transporter EPA ID: NYD046765574
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/09/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/09/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2010 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H111
Quantity:	140 P

Manifest Number:	000070057WAS
EPA ID:	NYD981489271
Date Shipped:	06/04/2008
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/04/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/04/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2008 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H111
Quantity:	2000 P

Manifest Number:	008401732JJK
EPA ID:	NYD981489271
Date Shipped:	6/2/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	PORT AUTHORITY OF NY & NJ
Transporter-1 EPA Facility Name:	AUCHTER INDUSTRIAL VAC SERVICE INC
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	Pounds
Transporter SEQ ID:	1.00
Transporter-1 Date:	6/2/2011
Waste SEQ ID:	1.00

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	6/2/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2011 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H141
Quantity:	200.00 Pounds

Manifest Number:	007936761JJK
EPA ID:	NYD981489271
Date Shipped:	11/19/2010
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	11/19/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/19/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Waste:

Manifest Year:	2010 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H111
Quantity:	300 P

Manifest Number:	NJA5316459
EPA ID:	NYD981489271
Date Shipped:	03/13/2006
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/13/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/13/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	05150621
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Manifest Number:	008401821JJK
EPA ID:	NYD981489271
Date Shipped:	6/13/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	PORT AUTHORITY OF NY & NJ
Transporter-1 EPA Facility Name:	AUCHTER INDUSTRIAL VAC SERVICE INC
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	gallons
Transporter SEQ ID:	1.00
Transporter-1 Date:	6/13/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D001
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	6/13/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2011 New Jersey Manifest Data
Waste Code:	D018
Hand Code:	H141
Quantity:	55.00 gallons

Manifest Number:	006016931JJK
EPA ID:	NYD981489271
Date Shipped:	08/05/2010
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/05/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/05/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2010 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H141
Quantity:	2500 P

Manifest Number:	NJA5060309
EPA ID:	NYD981489271
Date Shipped:	06/18/2004
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/18/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/18/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	07130421
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported
Manifest Number:	000070184WAS
EPA ID:	NYD981489271
Date Shipped:	07/25/2008
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/25/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/25/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2008 New Jersey Manifest Data
Waste Code:	D002
Hand Code:	H141
Quantity:	1000 P
Manifest Number:	001871447JJK

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

EPA ID:	NYD981489271
Date Shipped:	01/25/2008
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/25/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/25/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2008 New Jersey Manifest Data
Waste Code:	D018
Hand Code:	H141
Quantity:	400 P

Manifest Number:	004257014JJK
EPA ID:	NYD981489271
Date Shipped:	09/04/2008
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/04/2008
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/04/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2008 New Jersey Manifest Data
Waste Code:	D018
Hand Code:	H141
Quantity:	55 G

Manifest Number:	001872625JJK
EPA ID:	NYD981489271
Date Shipped:	03/14/2007
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/14/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Date TSDF Received Waste:	03/14/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2007 New Jersey Manifest Data
Waste Code:	D008
Hand Code:	H11
Quantity:	100 P

Manifest Number:	007938704JJK
EPA ID:	NYD981489271
Date Shipped:	08/27/2010
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/27/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/27/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2010 New Jersey Manifest Data
Waste Code:	D018
Hand Code:	H141
Quantity:	55 G

Manifest Number:	NJA5316460
EPA ID:	NYD981489271
Date Shipped:	03/13/2006
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/13/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/13/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	05050621
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Manifest Number:	008401494JJK
EPA ID:	NYD981489271
Date Shipped:	8/18/2011
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	PORT AUTHORITY OF NY & NJ
Transporter-1 EPA Facility Name:	AUCHTER INDUSTRIAL VAC SERVICE INC
TSDF EPA Facility Name:	CLEAN EARTH OF NORTH JERSEY INC
QTY Units:	gallons
Transporter SEQ ID:	1.00
Transporter-1 Date:	8/18/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	D001
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	8/18/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2011 New Jersey Manifest Data
Waste Code:	D018
Hand Code:	H141
Quantity:	55.00 gallons

Manifest Number:	005973493JJK
EPA ID:	NYD981489271
Date Shipped:	01/22/2010
TSDF EPA ID:	NJD991291105
Transporter EPA ID:	NJD980772768
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/22/2010

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/22/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	JERSEY CITY 07310
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	2010 New Jersey Manifest Data
Waste Code:	D018
Hand Code:	H141
Quantity:	55 G

NY MANIFEST:

EPA ID:	NYD981489271
Country:	USA
Location Address 1:	4 VESTRY STREET
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	PORT AUTHORITY OF NY & NJ
Contact:	DONNA BRUNO
Address:	13TH & PROVOST ST
City/State/Zip:	JERSEY CITY, NJ 07302
Country:	USA
Phone:	201-714-7408

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Trans1 State ID:	NJR986628162
Trans2 State ID:	Not reported
Generator Ship Date:	05/06/2014
Trans1 Recv Date:	05/06/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	3800
Units:	P - Pounds
Number of Containers:	9
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	007441761FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD991291105
Trans2 State ID:	Not reported
Generator Ship Date:	04/02/2014
Trans1 Recv Date:	04/02/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/02/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	600
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	012790566JJK

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	11/10/2011
Trans1 Recv Date:	11/10/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/10/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008928306JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	06/13/2011
Trans1 Recv Date:	06/13/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/13/2011

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008401821JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	06/02/2011
Trans1 Recv Date:	06/02/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/02/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	200.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008401732JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	08/18/2011
Trans1 Recv Date:	08/18/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/18/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008401494JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	07/25/2008
Trans1 Recv Date:	07/25/2008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/25/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Waste Code:	Not reported
Quantity:	1000.0
Units:	P - Pounds
Number of Containers:	3.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000070184WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	06/04/2008
Trans1 Recv Date:	06/04/2008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/04/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	2000.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	000070057WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	09/04/2008
Trans1 Recv Date:	09/04/2008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/04/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2008
Manifest Tracking Num:	004257014JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	01/25/2008
Trans1 Recv Date:	01/25/2008
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/25/2008
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	400.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Year:	2008
Manifest Tracking Num:	001871447JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD046765574
Trans2 State ID:	Not reported
Generator Ship Date:	07/19/2012
Trans1 Recv Date:	07/19/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/19/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	600.0
Units:	P - Pounds
Number of Containers:	4.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	000457577WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJR000065854
Trans2 State ID:	Not reported
Generator Ship Date:	08/14/2013
Trans1 Recv Date:	08/14/2013

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/14/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	400
Units:	P - Pounds
Number of Containers:	4
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	001698538GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	02/12/2013
Trans1 Recv Date:	02/12/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/12/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	800
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	011131992JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD986507380
Trans2 State ID:	Not reported
Generator Ship Date:	08/29/2007
Trans1 Recv Date:	08/29/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/04/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	Not reported
Quantity:	3500
Units:	P - Pounds
Number of Containers:	7
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000389844JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD986507380
Trans2 State ID:	Not reported
Generator Ship Date:	08/29/2007
Trans1 Recv Date:	08/29/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/04/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Trans2 EPA ID:	Not reported
TSDF ID:	PAD067098822
Waste Code:	Not reported
Quantity:	800
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000389844JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD980772768
Trans2 State ID:	Not reported
Generator Ship Date:	03/14/2007
Trans1 Recv Date:	03/14/2007
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/14/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	2
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	001872625JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Mgmt Method Type Code: H111

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD986507380
Trans2 State ID: Not reported
Generator Ship Date: 08/29/2007
Trans1 Recv Date: 08/29/2007
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/04/2007
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD981489271
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: PAD067098822
Waste Code: Not reported
Quantity: 1500
Units: P - Pounds
Number of Containers: 3
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1
Year: 2007
Manifest Tracking Num: 000389845JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD986507380
Trans2 State ID: Not reported
Generator Ship Date: 08/29/2007
Trans1 Recv Date: 08/29/2007
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/04/2007
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD981489271
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: PAD067098822
Waste Code: Not reported
Quantity: 3000
Units: P - Pounds
Number of Containers: 6

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000389845JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	NJA5060309
Manifest Status:	Not reported
Trans1 State ID:	06903
Trans2 State ID:	Not reported
Generator Ship Date:	06/18/2004
Trans1 Recv Date:	06/18/2004
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/18/2004
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	NJD980772768
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291
Waste Code:	D018 - BENZENE 0.5 MG/L TCLP
Quantity:	00300
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2004

Document ID:	NYA7416009
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	88879ANY
Trans2 State ID:	Not reported
Generator Ship Date:	04/25/1988
Trans1 Recv Date:	04/25/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/26/1988
Part A Recv Date:	06/28/1988
Part B Recv Date:	06/07/1988
Generator EPA ID:	NYD981489271
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NYD049836679
Waste Code:	B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB

THE PORT AUTHORITY OF NY & NJ - HOLLAND TUNNEL (Continued) **1000390996**

Quantity:	01800
Units:	P - Pounds
Number of Containers:	002
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	L Landfill.
Specific Gravity:	100
Waste Code:	B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1988

N244 **PORT AUTHORITY OF NY & NJ HOLLAND TUNNEL ADMIN BLDG** **PA MANIFEST** **S109247080**
ESE **FOUR VESTRY ST** **N/A**
1/8-1/4 **NEW YORK, NY 10015**
0.173 mi.
914 ft. **Site 15 of 16 in cluster N**

Relative:
Higher

Actual:
10 ft.

Manifest Details:

Year:	2010
Manifest Number:	006531962JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYD981489271
Generator Date:	07/29/2010
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	201-216-2966
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D006
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	1000
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2007
Manifest Number:	000389845JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD981489271
Generator Date:	08/29/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	N REO
Contact Phone:	201-216-2966

PORT AUTHORITY OF NY & NJ HOLLAND TUNNEL ADMIN BLDG (Continued) **S109247080**

TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	1500
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2007
Manifest Number:	000389845JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD981489271
Generator Date:	08/29/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	N REO
Contact Phone:	201-216-2966
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D008
Container Number:	6
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	3000
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2007
Manifest Number:	000389844JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD981489271
Generator Date:	08/29/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	N REO
Contact Phone:	201-216-2966
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC

PORT AUTHORITY OF NY & NJ HOLLAND TUNNEL ADMIN BLDG (Continued) **S109247080**

TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	NONE
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	150
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2007
Manifest Number:	000389844JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD981489271
Generator Date:	08/29/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	N REO
Contact Phone:	201-216-2966
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	800
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2007
Manifest Number:	000389845JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD981489271
Generator Date:	08/29/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	N REO
Contact Phone:	201-216-2966
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA

PORT AUTHORITY OF NY & NJ HOLLAND TUNNEL ADMIN BLDG (Continued) **S109247080**

Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	NONE
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	300
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2007
Manifest Number:	000389844JJK
Manifest Type:	Not reported
Generator EPA Id:	NYD981489271
Generator Date:	08/29/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	N REO
Contact Phone:	201-216-2966
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D008
Container Number:	7
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	3500
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

N245 **HOLLAND TUNNEL NY FIELD OFFICE** **NY UST** **U001839502**
ESE **4-10 VESTRY ST** **N/A**
1/8-1/4 **NEW YORK, NY 10048**
0.173 mi.
914 ft. **Site 16 of 16 in cluster N**

Relative:
Higher

Actual:
10 ft.

UST:

Id/Status:	2-345393 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/14/1997
UTM X:	583916.54101000004
UTM Y:	4508482.2593400003
Site Type:	Trucking/Transportation/Fleet Operation

Affiliation Records:

Site Id:	16845
Affiliation Type:	Facility Owner

HOLLAND TUNNEL NY FIELD OFFICE (Continued) **U001839502**

Company Name:	THE PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 WORLD TRADE CENTER
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10048
Country Code:	001
Phone:	(212) 466-7000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16845
Affiliation Type:	Mail Contact
Company Name:	THE PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported
Contact Name:	BILL BOLGER.ENVIR.COORDIN
Address1:	HOLLAND TUNNEL
Address2:	13TH AND PROVOST STREETS
City:	JERSEY CITY
State:	NJ
Zip Code:	07310
Country Code:	001
Phone:	(201) 714-7408
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16845
Affiliation Type:	On-Site Operator
Company Name:	HOLLAND TUNNEL NY FIELD OFFICE
Contact Type:	Not reported
Contact Name:	BILL BOLGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(201) 714-7408
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	16845
Affiliation Type:	Emergency Contact
Company Name:	THE PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported
Contact Name:	BILL BOLGER
Address1:	Not reported
Address2:	Not reported
City:	Not reported

HOLLAND TUNNEL NY FIELD OFFICE (Continued) **U001839502**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(201) 714-7500
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	YFO
Tank ID:	32772
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	1500
Install Date:	12/01/1955
Date Tank Closed:	08/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty
Tightness Test Method:	03
Date Test:	11/01/1987
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

U246 **MH37957** **RCRA NonGen / NLR** **1007207383**
ESE **34 LAIGHT STREET** **NY MANIFEST** **NYP004044251**
1/8-1/4 **NEW YORK, NY 10013**
0.175 mi.
924 ft. **Site 1 of 4 in cluster U**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/03/2001
Facility name:	MH37957
Facility address:	34 LAIGHT STREET NEW YORK, NY 10013
EPA ID:	NYP004044251
Mailing address:	CONSOLIDATED EDISON INC. 4 IRVING PLACE -- ROOM 300 NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC.

MH37957 (Continued) **1007207383**

NEW YORK, NY 10003
Contact country: US
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/02/2001
Site name: MH37957
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Site name: MH37957
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004044251
Country: USA
Location Address 1: MH37957-LAIGHT ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0443376

MH37957 (Continued) **1007207383**

Manifest Status:	Not reported
Trans1 State ID:	31877AJ
Trans2 State ID:	Not reported
Generator Ship Date:	10/04/1999
Trans1 Recv Date:	10/04/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/05/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004044251
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	00609
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1999

Document ID:	NYE0278932
Manifest Status:	Not reported
Trans1 State ID:	80680AE
Trans2 State ID:	Not reported
Generator Ship Date:	10/07/1999
Trans1 Recv Date:	10/07/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004044251
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00164
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	1999

Document ID:	NYE0252731
Manifest Status:	Not reported
Trans1 State ID:	SM1563
Trans2 State ID:	Not reported
Generator Ship Date:	10/07/1999
Trans1 Recv Date:	10/07/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/08/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported

MH37957 (Continued) **1007207383**

Generator EPA ID:	NYP004044251
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	00361
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1999

Document ID:	NYE0444375
Manifest Status:	Not reported
Trans1 State ID:	80303AB
Trans2 State ID:	Not reported
Generator Ship Date:	10/08/1999
Trans1 Recv Date:	10/08/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/14/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004044251
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00134
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	1999

Q247 **NEW YORK TRUCK TERMINAL** **NY UST** **U000411429**
NNE **325 SPRING STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.178 mi.
941 ft. **Site 7 of 11 in cluster Q**

Relative:
Higher

Actual:
7 ft.

UST:

Id/Status:	2-482706 / Inactive
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	10/31/1995
UTM X:	583689.61103999999
UTM Y:	4508834.3102700002
Site Type:	Unknown

Affiliation Records:

Site Id:	21638
Affiliation Type:	Facility Owner
Company Name:	PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported

NEW YORK TRUCK TERMINAL (Continued) **U000411429**

Contact Name:	Not reported
Address1:	1 WORLD TRADE CENTER
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10048
Country Code:	001
Phone:	(212) 466-7000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/15/2010

Site Id:	21638
Affiliation Type:	Mail Contact
Company Name:	PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	1 WORLD TRADE CENTER
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10048
Country Code:	001
Phone:	(212) 466-7000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	6/15/2010

Site Id:	21638
Affiliation Type:	On-Site Operator
Company Name:	NEW YORK TRUCK TERMINAL
Contact Type:	Not reported
Contact Name:	HOLLAND TUNNEL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(201) 714-7400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21638
Affiliation Type:	Emergency Contact
Company Name:	PORT AUTHORITY OF NY & NJ
Contact Type:	Not reported
Contact Name:	HOLLAND TUNNEL-COMMUNICATION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

NEW YORK TRUCK TERMINAL (Continued) **U000411429**

Country Code:	001
Phone:	(201) 714-7438
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	39341
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	4000
Install Date:	09/01/1960
Date Tank Closed:	08/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	002
Tank ID:	39342
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	6000
Install Date:	09/01/1960
Date Tank Closed:	08/01/1995
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

NEW YORK TRUCK TERMINAL (Continued) **U000411429**

Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 003
Tank ID: 39343
Tank Status: Tank Converted to Non-Regulated Use
Material Name: Tank Converted to Non-Regulated Use
Capacity Gallons: 12000
Install Date: 09/01/1960
Date Tank Closed: 08/01/1995
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Q248 **UNITED PARCEL SERVICE** **NY HIST UST** **U000417060**
NNE **325 SPRING STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.178 mi.
941 ft. **Site 8 of 11 in cluster Q**

Relative:
Higher

Actual:
7 ft.

HIST UST:
PBS Number: 2-198587
SPDES Number: Not reported
Emergency Contact: DOMINICK CASAMASSINA
Emergency Telephone: (212) 229-0968
Operator: MIKE ROCCI

UNITED PARCEL SERVICE (Continued) **U000417060**

Operator Telephone:	(212) 229-0950
Owner Name:	UNITED PARCEL SERVICES
Owner Address:	643 WEST 43 STREET
Owner City,St,Zip:	NEW YORK, NY 10036
Owner Telephone:	(212) 631-6444
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	UNITED PARCEL SERVICE
Mailing Address:	643 WEST 43RD STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10036
Mailing Contact:	DISTRICT PLANT ENGINEER
Mailing Telephone:	(212) 631-6326
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	325 SPRING ST
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	11/08/1999
Expiration Date:	07/10/2002
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	12850
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	No Missing Data
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None

UNITED PARCEL SERVICE (Continued) **U000417060**

Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported

UNITED PARCEL SERVICE (Continued) **U000417060**

Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	LEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992

UNITED PARCEL SERVICE (Continued) **U000417060**

Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	006
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	007
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True

UNITED PARCEL SERVICE (Continued) **U000417060**

Lat/long: Not reported

Tank Id: 008
Tank Location: UNDERGROUND
Tank Status: Closed-In Place
Install Date: Not reported
Capacity (gals): 1500
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/1992
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

Tank Id: 009
Tank Location: UNDERGROUND
Tank Status: Closed-In Place
Install Date: Not reported
Capacity (gals): 1500
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: GALVANIZED STEEL
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: 11/01/1992
Test Method: Not reported
Deleted: False
Updated: True
Lat/long: Not reported

UNITED PARCEL SERVICE (Continued) **U000417060**

Tank Id:	010
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	011
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	012
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place

UNITED PARCEL SERVICE (Continued) **U000417060**

Install Date:	Not reported
Capacity (gals):	1500
Product Stored:	DIESEL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Tank Id:	013
Tank Location:	UNDERGROUND
Tank Status:	Closed-In Place
Install Date:	Not reported
Capacity (gals):	3000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	11/01/1992
Test Method:	Not reported
Deleted:	False
Updated:	True
Lat/long:	Not reported

Q249 **CON EDISON - MANHOLE 56710** **RCRA-LQG** **1016149807**
NNE **332 SPRING ST** **FINDS** **NYP004284733**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.178 mi.
942 ft. **Site 9 of 11 in cluster Q**

Relative:
Higher

Actual:
9 ft.

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - MANHOLE 56710
Facility address:	332 SPRING ST NEW YORK, NY 10013
EPA ID:	NYP004284733
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2757
Contact email:	HUACOND@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/22/2013
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/22/2013
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

CON EDISON - MANHOLE 56710 (Continued) **1016149807**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 01/22/2013
Site name: CON EDISON MANHOLE: 56710
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110055433918

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:
EPA ID: NYP004284733
Country: USA
Location Address 1: 332 SPRING ST
Location Address 2: MH 56710
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

CON EDISON - MANHOLE 56710 (Continued) **1016149807**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284733
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	2500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707044JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

T250 **CITIGROUP GLOBAL MARKETS INC.** **NY AST** **U004077600**
South **390 GREENWICH STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.180 mi.
948 ft. **Site 4 of 7 in cluster T**

Relative:
Higher

Actual:
12 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-273074
Program Type:	PBS
UTM X:	583633.26387000002
UTM Y:	4508221.07443
Expiration Date:	04/30/2017
Site Type:	Other

Affiliation Records:

Site Id:	11600
Affiliation Type:	Facility Owner
Company Name:	CITIGROUP GLOBAL MARKETS, INC.

CITIGROUP GLOBAL MARKETS INC. (Continued) **U004077600**

Contact Type:	PROPERTY MANAGER
Contact Name:	PATRICK CALCAGNO
Address1:	390 GREENWICH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 816-3404
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	7/6/2012

Site Id:	11600
Affiliation Type:	Mail Contact
Company Name:	JONES LANS LASALLE
Contact Type:	Not reported
Contact Name:	FACILITY
Address1:	388 GREENWICH STREET
Address2:	5TH FLOOR PROPERTY MGT.
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 816-0198
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	7/6/2012

Site Id:	11600
Affiliation Type:	On-Site Operator
Company Name:	CITIGROUP GLOBAL MARKETS INC.
Contact Type:	Not reported
Contact Name:	PATRICK CACLAGNO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 816-0198
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	7/6/2012

Site Id:	11600
Affiliation Type:	Emergency Contact
Company Name:	CITIGROUP GLOBAL MARKETS, INC.
Contact Type:	Not reported
Contact Name:	PATRICK CALCAGNO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

CITIGROUP GLOBAL MARKETS INC. (Continued) **U004077600**

Zip Code:	Not reported
Country Code:	999
Phone:	(212) 816-0198
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	7/6/2012

Tank Info:

Tank Number:	NRT
Tank Id:	8924
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F05 - Pipe External Protection - Jacketed
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
I04 - Overfill - Product Level Gauge (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Location:	6
Tank Type:	Fiberglass Coated Steel
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/01/1986
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	07/06/2012
Material Name:	Diesel

Tank Number:	NST
Tank Id:	8925
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)

CITIGROUP GLOBAL MARKETS INC. (Continued) **U004077600**

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F05 - Pipe External Protection - Jacketed
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
I04 - Overfill - Product Level Gauge (A/G)

Tank Location:	6
Tank Type:	Fiberglass Coated Steel
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1986
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	07/06/2012
Material Name:	Diesel

Tank Number:	SRT
Tank Id:	8926
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F05 - Pipe External Protection - Jacketed
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
I04 - Overfill - Product Level Gauge (A/G)
C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)
B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring

Tank Location:	6
Tank Type:	Fiberglass Coated Steel
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	06/01/1986
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	07/06/2012
Material Name:	Diesel

CITIGROUP GLOBAL MARKETS INC. (Continued) **U004077600**

Tank Number: SST
Tank Id: 8927
Material Code: 0008
Common Name of Substance: Diesel

Equipment Records:

B04 - Tank External Protection - Fiberglass
E04 - Piping Secondary Containment - Double-Walled (Underground)
L01 - Piping Leak Detection - Interstitial - Electronic Monitoring
C03 - Pipe Location - Aboveground/Underground Combination
G04 - Tank Secondary Containment - Double-Walled (Underground)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F05 - Pipe External Protection - Jacketed
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
I02 - Overfill - High Level Alarm
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 6
Tank Type: Fiberglass Coated Steel
Tank Status: In Service
Pipe Model: Not reported
Install Date: 06/01/1986
Capacity Gallons: 20000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: KAKYER
Last Modified: 07/06/2012
Material Name: Diesel

T251 **CITI GROUP** **PA MANIFEST** **S112069122**
South **390 GREENWICH STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.180 mi.
948 ft. **Site 5 of 7 in cluster T**

Relative:
Higher

Actual:
12 ft.

Manifest Details:
Year: 2011
Manifest Number: 003534917JJK
Manifest Type: TSD Copy
Generator EPA Id: NYD982269912
Generator Date: 06/22/2011
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: Not reported
TSD EPA Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported

CITI GROUP (Continued) **S112069122**

Page Number:	1
Line Number:	2
Waste Number:	D001
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	30
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	003534917JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYD982269912
Generator Date:	06/22/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D002
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	30
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	003534917JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYD982269912
Generator Date:	06/22/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D002

CITI GROUP (Continued) **S112069122**

Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	30
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	003534917JJK
Manifest Type:	TSD Copy
Generator EPA Id:	NYD982269912
Generator Date:	06/22/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	U226
Container Number:	2
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	80
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

S252 **CON EDISON SERVICE BOX: 51727** **RCRA-CESQG** **1016149739**
North **WEST ST & SPRING ST** **NY MANIFEST** **NYP004284055**
1/8-1/4 **NEW YORK, NY 10014**
0.180 mi.
952 ft. **Site 2 of 3 in cluster S**

Relative:
Lower

Actual:
2 ft.

RCRA-CESQG:

Date form received by agency:	01/18/2013
Facility name:	CON EDISON SERVICE BOX: 51727
Facility address:	WEST ST & SPRING ST NEW YORK, NY 10014
EPA ID:	NYP004284055
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar

CON EDISON SERVICE BOX: 51727 (Continued) **1016149739**

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004284055
Country:	USA
Location Address 1:	NBL 445 WEST ST
Location Address 2:	SERV BOX 51727
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10014
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported

CON EDISON SERVICE BOX: 51727 (Continued) **1016149739**

Generator Ship Date:	01/18/2013
Trans1 Recv Date:	01/18/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284055
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707325JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

S253 **CON EDISON SERVICE BOX: 51726** **RCRA-CESQG** **1016149738**
North **WEST ST & SPRING ST** **NY MANIFEST** **NYP004284048**
1/8-1/4 **NEW YORK, NY 10014**
0.180 mi.
952 ft. **Site 3 of 3 in cluster S**

Relative:
Lower

Actual:
2 ft.

RCRA-CESQG:

Date form received by agency:	01/18/2013
Facility name:	CON EDISON SERVICE BOX: 51726
Facility address:	WEST ST & SPRING ST NEW YORK, NY 10014
EPA ID:	NYP004284048
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or

CON EDISON SERVICE BOX: 51726 (Continued) **1016149738**

other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004284048
Country:	USA
Location Address 1:	NBL 410 WEST ST
Location Address 2:	SERV BOX 51726
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10014
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/18/2013
Trans1 Recv Date:	01/18/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/2013

CON EDISON SERVICE BOX: 51726 (Continued) **1016149738**

Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284048
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707326JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

P254 **NYNEX** **NY MANIFEST** **1009233602**
NE **DOMINIC & HUDSON ST** **N/A**
1/8-1/4 **NEW YORK, NY 10036**
0.183 mi.
965 ft. **Site 10 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

NY MANIFEST:

EPA ID:	NYP000917625
Country:	USA
Location Address 1:	DOMINIC & HUDSON ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10036
Location Zip Code 4:	Not reported

Mailing Info:

Name:	NYNEX
Contact:	JOHN IGALS
Address:	1095 AVE OF AMER
City/State/Zip:	NEW YORK, NY 10036
Country:	USA
Phone:	212-395-6040

Manifest:

Document ID:	NJA2009255
Manifest Status:	Completed copy
Trans1 State ID:	50060
Trans2 State ID:	Not reported
Generator Ship Date:	11/09/1994

NYNEX (Continued) **1009233602**

Trans1 Recv Date:	11/09/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/10/1994
Part A Recv Date:	12/07/1994
Part B Recv Date:	11/23/1994
Generator EPA ID:	NYP000917625
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	080
Year:	1994

Document ID:	CTF0257172
Manifest Status:	Completed copy
Trans1 State ID:	PP7778
Trans2 State ID:	Not reported
Generator Ship Date:	11/09/1994
Trans1 Recv Date:	11/09/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/10/1994
Part A Recv Date:	12/07/1994
Part B Recv Date:	11/30/1994
Generator EPA ID:	NYP000917625
Trans1 EPA ID:	NYD980761191
Trans2 EPA ID:	Not reported
TSDF ID:	CTD021816889
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	03200
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	080
Year:	1994

P255 **CON EDISON SERVICE BOX: 37713** **RCRA-CESQG** **1016149809**
NE **HUDSON ST & DOMINICK ST NE COR** **NY MANIFEST** **NYP004284758**
1/8-1/4 **NEW YORK, NY 10013**
0.183 mi.
965 ft. **Site 11 of 11 in cluster P**

Relative:
Higher

Actual:
14 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 37713
Facility address:	HUDSON ST & DOMINICK ST NE COR NEW YORK, NY 10013
EPA ID:	NYP004284758
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported

CON EDISON SERVICE BOX: 37713 (Continued) **1016149809**

Not reported
Contact country: Not reported
Contact telephone: (347) 865-5931
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004284758
Country: USA
Location Address 1: NE COR HUDSON ST & DOMINICK ST
Location Address 2: SERV BOX 37713
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

CON EDISON SERVICE BOX: 37713 (Continued) **1016149809**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/23/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284758
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707046JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V256 **TRIDENT MAILING SERVICE** **NY UST** **U000393711**
NNE **315 SPRING ST** **NY HIST UST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.183 mi.
968 ft. **Site 1 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

UST:

Id/Status:	2-043915 / Inactive
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	12/02/1996
UTM X:	583755.10048999998
UTM Y:	4508824.1701400001
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	433
Affiliation Type:	Facility Owner
Company Name:	TRIDENT MAILING SERVICE
Contact Type:	Not reported

TRIDENT MAILING SERVICE (Continued) **U000393711**

Contact Name:	Not reported
Address1:	315 SPRING ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 645-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	433
Affiliation Type:	Mail Contact
Company Name:	TRIDENT MAILING SERVICE
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	315 SPRING ST
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 645-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	433
Affiliation Type:	On-Site Operator
Company Name:	TRIDENT MAILING SERVICE
Contact Type:	Not reported
Contact Name:	TRIDENT MAILING SERVICE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 645-5656
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	433
Affiliation Type:	Emergency Contact
Company Name:	TRIDENT MAILING SERVICE
Contact Type:	Not reported
Contact Name:	CHUCK POLLE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported

TRIDENT MAILING SERVICE (Continued) **U000393711**

Country Code:	001
Phone:	(516) 767-7362
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	1192
Tank Status:	Tank Converted to Non-Regulated Use
Material Name:	Tank Converted to Non-Regulated Use
Capacity Gallons:	4000
Install Date:	Not reported
Date Tank Closed:	12/13/2002
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	03
Date Test:	09/01/1988
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

HIST UST:

PBS Number:	2-043915
SPDES Number:	Not reported
Emergency Contact:	CHUCK POLLE
Emergency Telephone:	(516) 767-7362
Operator:	TRIDENT MAILING SERVICE
Operator Telephone:	(212) 645-5656
Owner Name:	TRIDENT MAILING SERVICE
Owner Address:	315 SPRING ST
Owner City,St,Zip:	NEW YORK, NY 10013
Owner Telephone:	(212) 645-5656
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	TRIDENT MAILING SERVICE
Mailing Address:	315 SPRING ST
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013

TRIDENT MAILING SERVICE (Continued) **U000393711**

Mailing Contact:	Not reported
Mailing Telephone:	(212) 645-5656
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	315 SPRING ST
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	MANUFACTURING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	12/10/1991
Expiration Date:	12/02/1996
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	4000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	4000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	GALVANIZED STEEL
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	09/01/1988
Next Test Date:	09/01/1993
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	False
Lat/long:	Not reported

V257 **CON EDISON MANHOLE 36298** **RCRA NonGen / NLR** **1014918025**
NNE **GREENWICH ST & SPRING ST ES** **NY MANIFEST** **NYP004216083**
1/8-1/4 **NEW YORK, NY 10013**
0.184 mi.
970 ft. **Site 2 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:

Date form received by agency:	10/21/2010
Facility name:	CON EDISON MANHOLE 36298
Facility address:	GREENWICH ST & SPRING ST ES 170 FEET S OF NEW YORK, NY 10013
EPA ID:	NYP004216083
Mailing address:	IRVING PL RM 828 NEW YORK, NY 10003
Contact:	ROBERT BRUNS
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 780-3756
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	09/21/2010
Site name:	CON EDISON MANHOLE 36298
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004216083
Country:	USA
Location Address 1:	GREENWICH ST S/O SPRING ST
Location Address 2:	Not reported
Location City:	MANHATTAN
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

CON EDISON MANHOLE 36298 (Continued) **1014918025**

Mailing Info:

Name:	CONSOLIDATED EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE RM 828
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/2010
Trans1 Recv Date:	09/21/2010
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/22/2010
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004216083
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	Not reported
Quantity:	100.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1.0
Year:	2010
Manifest Tracking Num:	001438604FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

V258 **CONSOLIDATED EDISON** **NY MANIFEST** **1009239780**
NNE **MH36311-SPRING & GREENWICH** **N/A**
1/8-1/4 **NEW YORK, NY 10003**
0.184 mi.
973 ft. **Site 3 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

NY MANIFEST:

EPA ID:	NYP004065504
Country:	USA
Location Address 1:	MH36311-SPRING & GREENWICH
Location Address 2:	Not reported
Location City:	NEW YORK

CONSOLIDATED EDISON (Continued) **1009239780**

Location State: NY
Location Zip Code: 10003
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: CTF0826989
Manifest Status: Not reported
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 10/23/2000
Trans1 Recv Date: 10/23/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/06/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004065504
Trans1 EPA ID: MAD039322250
Trans2 EPA ID: Not reported
TSDF ID: CTD000604488
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 00004
Units: Y - Cubic yards* (.85 tons)
Number of Containers: 001
Container Type: DT - Dump trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2000

V259 **CON EDISON VAULT: 7714** **RCRA NonGen / NLR** **1016972396**
NNE **515 GREENWICH ST FRONT OF** **NY MANIFEST** **NYP004461679**
1/8-1/4 **NEW YORK, NY 10013**
0.185 mi.
975 ft. **Site 4 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:
Date form received by agency: 04/09/2014
Facility name: CON EDISON VAULT: 7714
Facility address: 515 GREENWICH ST FRONT OF
NEW YORK, NY 10013
EPA ID: NYP004461679
Mailing address: IRVING PL, 15TH FL NE
NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02

CON EDISON VAULT: 7714 (Continued) **1016972396**

Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/09/2014
Site name: CON EDISON VAULT: 7714
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004461679
Country: USA
Location Address 1: 515 GREENWICH ST
Location Address 2: V7714
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISION
Address: 4 IRVING PL
Address 2: 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: Not reported

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 03/09/2014
Trans1 Recv Date: 03/09/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/11/2014
Part A Recv Date: Not reported

CON EDISON VAULT: 7714 (Continued) **1016972396**

Part B Recv Date:	Not reported
Generator EPA ID:	NYP004461679
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	2500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002359453GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V260 **CON EDISON MANHOLE: 36311** **RCRA-CESQG** **1016149254**
NNE **515 GREENWICH ST** **FINDS** **NYP004279170**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.185 mi.
975 ft. **Site 5 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	11/28/2012
Facility name:	CON EDISON MANHOLE: 36311
Facility address:	515 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004279170
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

CON EDISON MANHOLE: 36311 (Continued) **1016149254**

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055468471

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004279170
Country:	USA
Location Address 1:	515 GREENWICH ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

CON EDISON MANHOLE: 36311 (Continued) **1016149254**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	11/28/2012
Trans1 Recv Date:	11/28/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	11/28/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004279170
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	5000.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	010840342JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

V261 **515 GREENWICH STREET** **NY UST** **U003740185**
NNE **515 GREENWICH STREET** **NY HIST UST** **N/A**
1/8-1/4 **NEW YORK, NY 10013** **NY E DESIGNATION**
0.185 mi.
975 ft. **Site 6 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

UST:

Id/Status:	2-604460 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	03/20/2020
UTM X:	583725.36722000001
UTM Y:	4508831.8275699997
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	26334
Affiliation Type:	Facility Owner
Company Name:	DARA PARTNERS L.P.
Contact Type:	VP EB DARA INC
Contact Name:	ANTHONY BARRETT
Address1:	301 EAST 66TH STREET

515 GREENWICH STREET (Continued) **U003740185**

Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10065
Country Code:	001
Phone:	(212) 879-6198
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NTFREEMA
Date Last Modified:	2/23/2015

Site Id:	26334
Affiliation Type:	Mail Contact
Company Name:	C/O OSSA PROPERTIES INC.
Contact Type:	Not reported
Contact Name:	ANTHONY BARRETT
Address1:	301 EAST 66TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10065
Country Code:	001
Phone:	(212) 879-6198
EMail:	OSSA1@AOL.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	1/29/2015

Site Id:	26334
Affiliation Type:	On-Site Operator
Company Name:	515 GREENWICH STREET
Contact Type:	Not reported
Contact Name:	MARK EPSTEIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 366-5439
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	26334
Affiliation Type:	Emergency Contact
Company Name:	DARA PARTNERS L.P.
Contact Type:	Not reported
Contact Name:	MARK EPSTEIN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 543-2432

515 GREENWICH STREET (Continued) **U003740185**

EMail: Not reported
Fax Number: Not reported
Modified By: dxliving
Date Last Modified: 10/1/2008

Tank Info:

Tank Number: 001
Tank ID: 57872
Tank Status: In Service
Material Name: In Service
Capacity Gallons: 5000
Install Date: 01/01/1910
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 21
Date Test: 05/20/2014
Next Test Date: 05/20/2019
Pipe Model: Not reported
Modified By: NTFREEMA
Last Modified: 02/23/2015

Equipment Records:

F00 - Pipe External Protection - None
I02 - Overfill - High Level Alarm
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

HIST UST:

PBS Number: 2-604460
SPDES Number: Not reported
Emergency Contact: MARK EPSTEIN
Emergency Telephone: (212) 366-5439
Operator: MARK EPSTEIN
Operator Telephone: (212) 366-5439
Owner Name: DARA PARTNERS L.P. C/O OSSA PROPERTIES INC
Owner Address: 30 EAST 60TH STREET, #403
Owner City,St,Zip: NEW YORK, NY 10022
Owner Telephone: (212) 702-8818
Owner Type: Not reported
Owner Subtype: Not reported
Mailing Name: DARA PARTNERS L.P.
Mailing Address: C/O OSSA PROPERTIES INC
Mailing Address 2: 30 EAST 60TH STREET, #403

515 GREENWICH STREET (Continued) **U003740185**

Mailing City,St,Zip:	NEW YORK, NY 10022
Mailing Contact:	Not reported
Mailing Telephone:	(212) 702-8818
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	AKA 315 SPRING STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	OTHER
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	07/28/2000
Expiration Date:	03/20/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	5000
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Underground
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Not reported
Leak Detection:	Not reported
Overfill Prot:	Vent Whistle
Dispenser:	Suction
Date Tested:	12/28/1999
Next Test Date:	12/28/2004
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	21
Deleted:	False
Updated:	True
Lat/long:	Not reported

515 GREENWICH STREET (Continued) **U003740185**

E DESIGNATION:

Tax Lot(s):	1
Tax Block:	597
Borough Code:	Not reported
E-No:	E-288
Effective Date:	3/20/2013
Satisfaction Date:	Not reported
Ceqr Number:	12DCP045M
Ulurp Number:	120380ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

T262 **CITIGROUP** **NY AST** **A100293559**
South **388 GREENWICH STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.185 mi.
975 ft. **Site 6 of 7 in cluster T**

Relative:
Higher

Actual:
12 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-609057
Program Type:	PBS
UTM X:	583602.71351000003
UTM Y:	4508204.7157899998
Expiration Date:	06/26/2013
Site Type:	Other

Affiliation Records:

Site Id:	30904
Affiliation Type:	Facility Owner
Company Name:	CITIGROUP
Contact Type:	AGENT
Contact Name:	JOE FERGUSON
Address1:	388 GREENWICH ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 816-3404
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/15/2009
Site Id:	30904
Affiliation Type:	Mail Contact
Company Name:	CUSHMAN & WAKEFIELD
Contact Type:	Not reported
Contact Name:	PROPERTY MANAGER
Address1:	388 GREENWICH STREET

CITIGROUP (Continued) **A100293559**

Address2:	5TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 816-3398
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30904
Affiliation Type:	On-Site Operator
Company Name:	CITIGROUP
Contact Type:	Not reported
Contact Name:	JOE FERGUSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 816-2572
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/15/2009

Site Id:	30904
Affiliation Type:	Emergency Contact
Company Name:	CITIGROUP
Contact Type:	Not reported
Contact Name:	JOE FERGUSON
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 816-2572
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	10/15/2009

Tank Info:

Tank Number:	DAY TANK
Tank Id:	66267
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)

CITIGROUP (Continued) **A100293559**

J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/15/1988
Capacity Gallons:	250
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	11/10/2009
Material Name:	Diesel

Tank Number:	MAINTANK
Tank Id:	66266
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I02 - Overfill - High Level Alarm
H05 - Tank Leak Detection - In-Tank System (ATG)
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	07/15/1988
Capacity Gallons:	1000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	11/10/2009
Material Name:	Diesel

W263 **CON EDISON SERVICE BOX: 28518** **RCRA-CESQG** **1016149887**
East **431 CANAL ST FRONT OF** **FINDS** **NYP004285540**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.186 mi.
980 ft. **Site 1 of 20 in cluster W**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	01/27/2013
Facility name:	CON EDISON SERVICE BOX: 28518
Facility address:	431 CANAL ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004285540
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	BENJAMIN BAMONTE
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 894-9549
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055467846

CON EDISON SERVICE BOX: 28518 (Continued) **1016149887**

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004285540
Country:	USA
Location Address 1:	F/O 431 CANAL ST
Location Address 2:	SERV BOX 28518
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/27/2013
Trans1 Recv Date:	01/27/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285540
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	750
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010840251JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N

CON EDISON SERVICE BOX: 28518 (Continued) **1016149887**

Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

U264 **MAZDA REALTY** **NY AST** **A100075097**
ESE **13-17 LAIGHT STREET** **N/A**
1/8-1/4 **MANHATTAN, NY 10013**
0.186 mi.
981 ft. **Site 2 of 4 in cluster U**

Relative:
Higher

Actual:
10 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-316989
Program Type:	PBS
UTM X:	583964.625
UTM Y:	4508347.5
Expiration Date:	07/07/2017
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	14559
Affiliation Type:	Facility Owner
Company Name:	MAZDA REATY ASSO. C/O AMRAM NOWAK
Contact Type:	MANAGING OFFICER
Contact Name:	STEVE NOVAK
Address1:	15 WEST 26TH ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 643-1717
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	5/23/2007

Site Id:	14559
Affiliation Type:	Mail Contact
Company Name:	MAZDA REATY ASSOC %
Contact Type:	Not reported
Contact Name:	MIRIAM TEITELBAUM
Address1:	AMRAM NOWAK
Address2:	15 WEST 26TH ST., #902
City:	NEW YORK
State:	NY
Zip Code:	10010
Country Code:	001
Phone:	(212) 643-1717
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	5/23/2007

MAZDA REALTY (Continued) **A100075097**

Site Id:	14559
Affiliation Type:	On-Site Operator
Company Name:	MAZDA REALTY
Contact Type:	Not reported
Contact Name:	CHARLIE ROBLES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 992-5906
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	5/23/2007

Site Id:	14559
Affiliation Type:	Emergency Contact
Company Name:	MAZDA REATY ASSO. C/O AMRAM NOWAK
Contact Type:	Not reported
Contact Name:	MIRIAM TEITELBAUM
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 643-1717
EMail:	Not reported
Fax Number:	Not reported
Modified By:	DXLIVING
Date Last Modified:	5/23/2007

Tank Info:

Tank Number:	001
Tank Id:	12206
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

L09 - Piping Leak Detection - Exempt Suction Piping
J02 - Dispenser - Suction Dispenser
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
C00 - Pipe Location - No Piping
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None

Tank Location:	4
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

MAZDA REALTY (Continued) **A100075097**

Install Date:	05/22/1929
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	DXLIVING
Last Modified:	05/23/2007
Material Name:	#6 Fuel Oil (On-Site Consumption)

V265 **CON EDISON SERVICE BOX: 46984** **RCRA NonGen / NLR** **1016149800**
NNE **309 SPRING ST** **FINDS** **NYP004284667**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.188 mi.
995 ft. **Site 7 of 20 in cluster V**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/05/2014
Facility name:	CON EDISON SERVICE BOX: 46984
Facility address:	309 SPRING ST NEW YORK, NY 10013
EPA ID:	NYP004284667
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/05/2014
Site name:	CON EDISON SERVICE BOX: 46984
Classification:	Conditionally Exempt Small Quantity Generator

CON EDISON SERVICE BOX: 46984 (Continued) **1016149800**

Violation Status: No violations found

FINDS:

Registry ID: 110055433883

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284667
Country:	USA
Location Address 1:	309 SPRING ST
Location Address 2:	SERV BOX 46984
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284667
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013

CON EDISON SERVICE BOX: 46984 (Continued) **1016149800**

Manifest Tracking Num:	010707037JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V266 **CON ED** **NY MANIFEST** **S113494779**
NNE **309 SPRING ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.188 mi.
995 ft. **Site 8 of 20 in cluster V**

Relative:
Higher

Actual:
11 ft.

NY MANIFEST:

EPA ID:	NYP004434809
Country:	USA
Location Address 1:	309 SPRING ST
Location Address 2:	SB 46984
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON ED
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2014
Trans1 Recv Date:	02/05/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004434809
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks

CON ED (Continued) **S113494779**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002329277GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Q267 **CON EDISON SERVICE BOX: 49079** **RCRA-CESQG** **1016149810**
NNE **505 WASHINGTON ST OPPOSITE** **FINDS** **NYP004284766**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.192 mi.
1015 ft. **Site 10 of 11 in cluster Q**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 49079
Facility address:	505 WASHINGTON ST OPPOSITE NEW YORK, NY 10013
EPA ID:	NYP004284766
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No

CON EDISON SERVICE BOX: 49079 (Continued) **1016149810**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055433927

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004284766
Country: USA
Location Address 1: OPP 505 WASHINGTON ST
Location Address 2: SERV BOX 49079
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/22/2013
Trans1 Recv Date: 01/22/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/24/2013
Part A Recv Date: Not reported

CON EDISON SERVICE BOX: 49079 (Continued) **1016149810**

Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284766
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707047JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Q268 **CON EDISON SERVICE BOX: 49085** **RCRA-CESQG** **1016149814**
NNE **505 WASHINGTON ST** **NY MANIFEST** **NYP004284808**
1/8-1/4 **NEW YORK, NY 10013**
0.192 mi.
1015 ft. **Site 11 of 11 in cluster Q**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 49085
Facility address:	505 WASHINGTON ST NEW YORK, NY 10013
EPA ID:	NYP004284808
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

CON EDISON SERVICE BOX: 49085 (Continued) **1016149814**

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004284808
Country:	USA
Location Address 1:	505 WASHINGTON ST
Location Address 2:	SERV BOX 49085
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284808
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

CON EDISON SERVICE BOX: 49085 (Continued) **1016149814**

TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707051JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V269 **CON EDISON SERVICE BOX: 46986** **RCRA NonGen / NLR** **1016969796**
NNE **310 SPRING ST** **NY MANIFEST** **NYP004434817**
1/8-1/4 **NEW YORK, NY 10013**
0.193 mi.
1017 ft. **Site 9 of 20 in cluster V**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/05/2014
Facility name:	CON EDISON SERVICE BOX: 46986
Facility address:	310 SPRING ST NEW YORK, NY 10013
EPA ID:	NYP004434817
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

CON EDISON SERVICE BOX: 46986 (Continued) **1016969796**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 02/05/2014
Site name: CON EDISON SERVICE BOX: 46986
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004434817
Country: USA
Location Address 1: 310 SPRING STQ
Location Address 2: SB 46986
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON ED
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 02/05/2014
Trans1 Recv Date: 02/05/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/06/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004434817
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2014
Manifest Tracking Num: 002329279GBF
Import Ind: N

CON EDISON SERVICE BOX: 46986 (Continued) **1016969796**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V270 **CON EDISON SERVICE BOX: 46985** **RCRA NonGen / NLR** **1016149801**
NNE **307 SPRING ST** **FINDS** **NYP004284675**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.193 mi.
1018 ft. **Site 10 of 20 in cluster V**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/05/2014
Facility name:	CON EDISON SERVICE BOX: 46985
Facility address:	307 SPRING ST NEW YORK, NY 10013
EPA ID:	NYP004284675
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/05/2014
Site name:	CON EDISON SERVICE BOX: 46985
Classification:	Conditionally Exempt Small Quantity Generator

CON EDISON SERVICE BOX: 46985 (Continued) **1016149801**

Violation Status: No violations found

FINDS:

Registry ID: 110055465759

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284675
Country:	USA
Location Address 1:	307 SPRING ST
Location Address 2:	SERV BOX 46985
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PL 15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284675
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013

CON EDISON SERVICE BOX: 46985 (Continued) **1016149801**

Manifest Tracking Num:	010707038JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V271 **CON ED** **NY MANIFEST** **S113494780**
NNE **307 SPRING ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.193 mi.
1018 ft. **Site 11 of 20 in cluster V**

Relative:
Higher

Actual:
12 ft.

NY MANIFEST:

EPA ID:	NYP004434825
Country:	USA
Location Address 1:	307 SPRING ST
Location Address 2:	SB 46985
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON ED
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2014
Trans1 Recv Date:	02/05/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004434825
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks

CON ED (Continued) **S113494780**

Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002329280GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

T272 **FISCHER MILLS BUILDING** **RCRA NonGen / NLR** **1004761026**
South **387-397 GREENWICH ST** **FINDS** **NYR000070656**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.194 mi.
1022 ft. **Site 7 of 7 in cluster T**

Relative:
Higher

Actual:
12 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FISCHER MILLS BUILDING
Facility address:	387-397 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYR000070656
Mailing address:	BROADWAY SUITE 601 NEW YORK, NY 10012
Contact:	FRITZ JOHNSON
Contact address:	BROADWAY SUITE 601 NEW YORK, NY 10012
Contact country:	US
Contact telephone:	(212) 228-7200
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	GREENWICH ASSOICATES LLC
Owner/operator address:	632 BROADWAY SUITE 601 NEW YORK, NY 10012
Owner/operator country:	US
Owner/operator telephone:	(212) 228-7200
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	GREENWICH ASSOICATES LLC
Owner/operator address:	632 BROADWAY SUITE 601 NEW YORK, NY 10012
Owner/operator country:	US
Owner/operator telephone:	(212) 228-7200
Legal status:	Private

FISCHER MILLS BUILDING (Continued) **1004761026**

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FISCHER MILLS BUILDING
Classification: Not a generator, verified

Date form received by agency: 04/30/1999
Site name: FISCHER MILLS BUILDING
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110004552715

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000070656
Country: USA
Location Address 1: 387 GREENWICH ST
Location Address 2: Not reported

FISCHER MILLS BUILDING (Continued) **1004761026**

Location City: NEW YORK
Location State: NY
Location Zip Code: 10001
Location Zip Code 4: Not reported

Mailing Info:
Name: GMA DEVELOPMENT
Contact: J DAKETT
Address: 32 BROADWAY STE 1114
City/State/Zip: NEW YORK, NY 10004
Country: USA
Phone: 212-228-7200

Manifest:

Document ID: MIA7333159
Manifest Status: Not reported
Trans1 State ID: S7110
Trans2 State ID: Not reported
Generator Ship Date: 05/10/1999
Trans1 Recv Date: 05/10/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/18/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000070656
Trans1 EPA ID: PAD146714878
Trans2 EPA ID: Not reported
TSDF ID: MID060975844
Waste Code: U210 - TETRACHLOROETHYLENE
Quantity: 00050
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 1999

Document ID: NJA2926216
Manifest Status: Not reported
Trans1 State ID: 06993
Trans2 State ID: Not reported
Generator Ship Date: 01/27/2000
Trans1 Recv Date: 01/27/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/27/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000070656
Trans1 EPA ID: NJD980772768
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: D008 - LEAD 5.0 MG/L TCLP
Quantity: 04000
Units: P - Pounds
Number of Containers: 008

FISCHER MILLS BUILDING (Continued) **1004761026**

Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2000

V273 **47 RENWICK STREET** **NY AST** **A100168983**
NE **47 RENWICK ST (308 SPRING)** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.195 mi.
1031 ft. **Site 12 of 20 in cluster V**

Relative:
Higher

Actual:
12 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-510513
Program Type: PBS
UTM X: 583746.23794999998
UTM Y: 4508843.36405
Expiration Date: 02/05/2016
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 21865
Affiliation Type: Facility Owner
Company Name: UNITY ENVIRONMENTAL
Contact Type: PROPERTY MANAGER
Contact Name: JOHN D. MELE
Address1: 268 WEST STREET - 5TH FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 274-1555
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 12/28/2005

Site Id: 21865
Affiliation Type: Mail Contact
Company Name: PONTE EQUITIES, INC.
Contact Type: Not reported
Contact Name: JOHN D. MELE
Address1: 268 WEST STREET
Address2: 5TH FLOOR
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 274-1555
EMail: RETRACX@HOTMAIL.COM
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 12/28/2005

Site Id: 21865

47 RENWICK STREET (Continued) **A100168983**

Affiliation Type:	On-Site Operator
Company Name:	47 RENWICK STREET
Contact Type:	Not reported
Contact Name:	MARTY TENDLER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 274-1555
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21865
Affiliation Type:	Emergency Contact
Company Name:	UNITY ENVIRONMENTAL
Contact Type:	Not reported
Contact Name:	JOHN D. MELE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 274-1555
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	(01) 292
Tank Id:	39744
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
F06 - Pipe External Protection - Wrapped
J03 - Dispenser - Gravity
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service

47 RENWICK STREET (Continued) **A100168983**

Pipe Model:	Not reported
Install Date:	04/22/1975
Capacity Gallons:	1500
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	BVCAMPBE
Last Modified:	12/09/2010
Material Name:	#2 Fuel Oil (On-Site Consumption)

V274 **CON EDISON SERVICE BOX: 46987** **RCRA-CESQG** **1016149890**
NE **SPRING ST & RENWICK ST** **NY MANIFEST** **NYP004285581**
1/8-1/4 **NEW YORK, NY 10012**
0.196 mi.
1037 ft. **Site 13 of 20 in cluster V**

Relative:
Higher

Actual:
12 ft.

RCRA-CESQG:

Date form received by agency:	01/28/2013
Facility name:	CON EDISON SERVICE BOX: 46987
Facility address:	SPRING ST & RENWICK ST NEW YORK, NY 10012
EPA ID:	NYP004285581
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JOSE MONTALVO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 427-1331
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

CON EDISON SERVICE BOX: 46987 (Continued) **1016149890**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004285581
Country:	USA
Location Address 1:	F/O 304-06 SPRING ST E/O RENWICK
Location Address 2:	SERV BOX 46987
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10012
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/29/2013
Trans1 Recv Date:	01/29/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285581
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010841006JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

CON EDISON SERVICE BOX: 46987 (Continued) **1016149890**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/28/2013
Trans1 Recv Date:	01/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/28/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285581
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707079JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

X275 **CON EDISON MANHOLE 61601** **RCRA NonGen / NLR** **1010326730**
SSW **N MOORE ST & W SIDE HWY** **NY MANIFEST** **NYP004142766**
1/8-1/4 **NEW YORK, NY 10003**
0.202 mi.
1064 ft. **Site 1 of 2 in cluster X**

Relative:
Lower

Actual:
4 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/17/2006
Facility name:	CON EDISON MANHOLE 61601
Facility address:	N MOORE ST & W SIDE HWY NEW YORK, NY 10003
EPA ID:	NYP004142766
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003

CON EDISON MANHOLE 61601 (Continued) **1010326730**

Contact:	ANDREW FIORE
Contact address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 580-8383
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	11/16/2006
Site name:	CON EDISON
Classification:	Not a generator, verified
Date form received by agency:	11/15/2006
Site name:	CON EDISON
Classification:	Unverified
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004142766
Country:	USA
Location Address 1:	N MOORE ST & WEST ST MH61601
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10014
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CONSOLIDATED EDISON
Contact:	FRANKLIN MURRAY
Address:	4 IRVING PLACE RM 828
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-2808

CON EDISON MANHOLE 61601 (Continued) **1010326730**

Manifest:

Document ID:	NYE1593738
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/09/2006
Trans1 Recv Date:	06/09/2006
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/14/2006
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004142766
Trans1 EPA ID:	12446JT
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00075
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2006

X276 **CON EDISION - MH40121** **RCRA NonGen / NLR** **1007208111**
SSW **N.MOORE ST.AND WEST ST. N.MOOR** **NY MANIFEST** **NYP004082301**
1/8-1/4 **NEW YORK, NY 10003**
0.202 mi.
1068 ft. **Site 2 of 2 in cluster X**

Relative:
Lower

Actual:
3 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/02/2002
Facility name:	CON EDISION - MH40121
Facility address:	N.MOORE ST.AND WEST ST. N.MOOR NEW YORK, NY 10003
EPA ID:	NYP004082301
Mailing address:	IRVING PLACE NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	IRVING PLACE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No

CON EDISION - MH40121 (Continued) **1007208111**

Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/01/2002
Site name:	CON EDISION - MH40121
Classification:	Not a generator, verified
Date form received by agency:	05/31/2002
Site name:	CON EDISION - MH40121
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004082301
Country:	USA
Location Address 1:	#40121 N MOORE ST & WEST ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10001
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CONSOLIDATED EDISON
Contact:	FRANKLIN MURRAY
Address:	4 IRVING PLACE RM 828
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-2808

Manifest:

Document ID:	NYE0664074
Manifest Status:	Not reported
Trans1 State ID:	60913AX
Trans2 State ID:	Not reported
Generator Ship Date:	05/11/2001
Trans1 Recv Date:	05/11/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/11/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004082301
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00129
Units:	K - Kilograms (2.2 pounds)

CON EDISION - MH40121 (Continued) **1007208111**

Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYE0759528
Manifest Status:	Not reported
Trans1 State ID:	20854AD
Trans2 State ID:	Not reported
Generator Ship Date:	05/10/2001
Trans1 Recv Date:	05/10/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/11/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004082301
Trans1 EPA ID:	NYD006982359
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity:	02665
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2001

V277 **UNITED PARCEL SERVICE** **NY UST** **U001841986**
NNE **522 GREENWICH ST (320 WEST HOUSTON ST)** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.203 mi.
1072 ft. **Site 14 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

UST:

Id/Status:	2-601579 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	08/27/1998
UTM X:	583692.65440999996
UTM Y:	4508903.0080199996
Site Type:	Unknown

Affiliation Records:

Site Id:	23541
Affiliation Type:	Facility Owner
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	643 WEST 43RD STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001

UNITED PARCEL SERVICE (Continued) **U001841986**

Phone:	(212) 631-6446
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	4/12/2007

Site Id:	23541
Affiliation Type:	Mail Contact
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	GEORGE MCGEE
Address1:	643 WEST 43RD STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10036
Country Code:	001
Phone:	(212) 631-6243
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23541
Affiliation Type:	On-Site Operator
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	GEORGE MCGEE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 631-6243
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23541
Affiliation Type:	Emergency Contact
Company Name:	UNITED PARCEL SERVICE
Contact Type:	Not reported
Contact Name:	GEORGE MCGEE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 631-6243
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

UNITED PARCEL SERVICE (Continued) **U001841986**

Tank Info:

Tank Number:	001
Tank ID:	46973
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	550
Install Date:	11/01/1992
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	002
Tank ID:	46974
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	1500
Install Date:	11/01/1992
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None

UNITED PARCEL SERVICE (Continued) **U001841986**

D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	003
Tank ID:	46975
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	1500
Install Date:	11/01/1992
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	004
Tank ID:	46976
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	1500
Install Date:	11/01/1992
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

UNITED PARCEL SERVICE (Continued) **U001841986**

Equipment Records:
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 005
Tank ID: 46977
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: 11/01/1992
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number: 006
Tank ID: 46978
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: 11/01/1992
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

UNITED PARCEL SERVICE (Continued) **U001841986**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 007
Tank ID: 46979
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: 11/01/1992
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 008
Tank ID: 46980
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: 11/01/1992
Date Tank Closed: Not reported

UNITED PARCEL SERVICE (Continued) **U001841986**

Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 009
Tank ID: 46981
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: 11/01/1992
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 010

UNITED PARCEL SERVICE (Continued) **U001841986**

Tank ID:	46982
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	1500
Install Date:	11/01/1992
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None

Tank Number:	011
Tank ID:	46983
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	1500
Install Date:	11/01/1992
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)

UNITED PARCEL SERVICE (Continued) **U001841986**

I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 012
Tank ID: 46984
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: 11/01/1992
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 013
Tank ID: 46985
Tank Status: Closed - In Place
Material Name: Closed - In Place
Capacity Gallons: 1500
Install Date: 11/01/1992
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

UNITED PARCEL SERVICE (Continued) **U001841986**

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
A00 - Tank Internal Protection - None
D02 - Pipe Type - Galvanized Steel
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

V278 **522 GREENWICH AV/MANH/UPS** **NY LTANKS** **S104275650**
NNE **522 GREENWICH AVENUE** **N/A**
1/8-1/4 **NEW YORK CITY, NY**
0.204 mi.
1075 ft. **Site 15 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	112363
Spill Number/Closed Date:	9100225 / 2/9/1998
Spill Date:	4/4/1991
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SULLIVAN
Referred To:	Not reported
Reported to Dept:	4/4/1991
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	4/17/1991
Spill Record Last Update:	2/9/2004
Spiller Name:	Not reported
Spiller Company:	UPS
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	98156
DEC Memo:	Not reported
Remarks:	(4) 1500 GAL TANKS FAILED TANK AUDITOR WITH A LEAK RATE OF .29849GPH.

Material:

Site ID:	112363
Operable Unit ID:	951051
Operable Unit:	01
Material ID:	426435

522 GREENWICH AV/MANH/UPS (Continued) **S104275650**

Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	112363
Spill Tank Test:	1538422
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

V279 **V0508** **RCRA NonGen / NLR** **1007207175**
NNE **866 WASHINGTON AVENUE** **NY MANIFEST** **NYP004039236**
1/8-1/4 **NEW YORK CITY, NY 10012**
0.204 mi.
1078 ft. **Site 16 of 20 in cluster V**

Relative:
Higher

Actual:
7 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/03/2001
Facility name:	V0508
Facility address:	866 WASHINGTON AVENUE NEW YORK CITY, NY 10012
EPA ID:	NYP004039236
Mailing address:	CONSOLIDATED EDISON INC. 4 IRVING PLACE -- ROOM 300 NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	CONSOLIDATED EDISON INC. NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

V0508 (Continued) **1007207175**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/02/2001
Site name: V0508
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Site name: V0508
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004039236
Country: USA
Location Address 1: V0508-866 WASHINGTON AVE
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10027
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0233324
Manifest Status: Not reported
Trans1 State ID: GX3216
Trans2 State ID: Not reported
Generator Ship Date: 07/01/1999
Trans1 Recv Date: 07/01/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/01/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004039236
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 01064
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001

V0508 (Continued) **1007207175**

Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 1999

W280 **21ST CENTURY OPTICS** **RCRA NonGen / NLR** **1001961674**
East **75 VARICK ST 11TH FLOOR** **FINDS** **NYR000084905**
1/8-1/4 **NEW YORK, NY 10013**
0.208 mi.
1100 ft. **Site 2 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: 21ST CENTURY OPTICS
Facility address: 75 VARICK ST 11TH FLOOR
NEW YORK, NY 10013
EPA ID: NYR000084905
Mailing address: VARICK ST 11TH FLOOR
NEW YORK, NY 10013
Contact: BILL BERRY
Contact address: VARICK ST 11TH FLOOR
NEW YORK, NY 10013
Contact country: US
Contact telephone: (212) 226-5300
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: 21ST CENTURY OPTICS
Owner/operator address: 75 VARICK ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 226-5300
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: 21ST CENTURY OPTICS
Owner/operator address: 75 VARICK ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 226-5300
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No

21ST CENTURY OPTICS (Continued) **1001961674**

On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: 21ST CENTURY OPTICS
Classification: Not a generator, verified

Date form received by agency: 02/09/2000
Site name: 21ST CENTURY OPTICS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

Violation Status: No violations found

FINDS:

Registry ID: 110004561457

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

W281 **75 VARICK ST** **NY AST** **S100493754**
East **75 VARICK STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.208 mi.
1100 ft. **Site 3 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-154814
Program Type:	PBS
UTM X:	583947.91708000004
UTM Y:	4508392.7126700003
Expiration Date:	10/01/2018
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	4980
Affiliation Type:	Mail Contact
Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	75 VARICK STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
EMail:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/10/2013

Site Id:	4980
Affiliation Type:	On-Site Operator
Company Name:	75 VARICK STREET.
Contact Type:	Not reported
Contact Name:	LOUIS DIGIOVANNI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 216-7575
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/10/2012

Site Id:	4980
Affiliation Type:	Emergency Contact
Company Name:	TRINITY REIT, INC.
Contact Type:	Not reported
Contact Name:	DOUGLAS MARAGH
Address1:	Not reported
Address2:	Not reported
City:	Not reported

75 VARICK ST (Continued) **S100493754**

State: NN
Zip Code: Not reported
Country Code: 999
Phone: (917) 567-9760
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 7/10/2012

Site Id: 4980
Affiliation Type: Facility Owner
Company Name: TRINITY REIT, INC.
Contact Type: ASST VICE PRESIDENT
Contact Name: PETER A. ST.JOHN
Address1: 75 VARICK ST.
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (646) 216-7575
EMail: Not reported
Fax Number: Not reported
Modified By: MSBAPTIS
Date Last Modified: 9/10/2013

Tank Info:

Tank Number: 001
Tank Id: 8350
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
G10 - Tank Secondary Containment - Impervious Underlayment (AG)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C01 - Pipe Location - Aboveground
E07 - Piping Secondary Containment - Trench Liner
F01 - Pipe External Protection - Painted/Asphalt Coating

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/1982
Capacity Gallons: 20000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported

75 VARICK ST (Continued) **S100493754**

Date Tank Closed:	Not reported
Register:	True
Modified By:	MSBAPTIS
Last Modified:	09/10/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

W282 **EUROPADISK LTD** **RCRA-SQG 1000890050**
East **75 VARICK ST - ROOM 403** **FINDS NY0000233387**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.208 mi.
1100 ft. **Site 4 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	EUROPADISK LTD
Facility address:	75 VARICK ST - ROOM 403 NEW YORK, NY 10013
EPA ID:	NY0000233387
Mailing address:	VARICK ST - ROOM 403 NEW YORK, NY 10013
Contact:	Not reported
Contact address:	VARICK ST - ROOM 403 NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	EUROPADISK PLATING LTD
Owner/operator address:	75 VARICK ST - ROOM 403 NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 226-4401
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	EUROPADISK PLATING LTD
Owner/operator address:	75 VARICK ST - ROOM 403 NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 226-4401
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

EUROPADISK LTD (Continued) **1000890050**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: EUROPADISK LTD
Classification: Small Quantity Generator

Date form received by agency: 07/14/1999
Site name: EUROPADISK LTD
Classification: Small Quantity Generator

Date form received by agency: 04/21/1994
Site name: EUROPADISK LTD
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D007
. Waste name: CHROMIUM

Violation Status: No violations found

FINDS:

Registry ID: 110004314260

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NY0000233387
Country: USA
Location Address 1: 75 VARICK ST
Location Address 2: Not reported

EUROPADISK LTD (Continued) **1000890050**

Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: EUROPADISK LTD
Contact: JAMES P SHELTON
Address: 2402 QUEENS PLZ S
City/State/Zip: LONG ISLAND CITY, NY 11101 4602
Country: USA
Phone: 212-225-2401

Manifest:

Document ID: NYH0443466
Manifest Status: Not reported
Trans1 State ID: 62096PA
Trans2 State ID: Not reported
Generator Ship Date: 08/23/2004
Trans1 Recv Date: 08/23/2004
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/23/2004
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785
Waste Code: D004 - ARSENIC 5.0 MG/L TCLP
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00075
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 015
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2004

Document ID: NYH0265392
Manifest Status: Not reported
Trans1 State ID: 23138PA
Trans2 State ID: Not reported
Generator Ship Date: 03/27/2002
Trans1 Recv Date: 03/27/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/27/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387

EUROPADISK LTD (Continued) **1000890050**

Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00075
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2002

Document ID:	NYH0171711
Manifest Status:	Not reported
Trans1 State ID:	PX3640
Trans2 State ID:	Not reported
Generator Ship Date:	09/27/2001
Trans1 Recv Date:	09/27/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00040
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	008
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG0666918
Manifest Status:	Not reported
Trans1 State ID:	14467AK
Trans2 State ID:	Not reported
Generator Ship Date:	03/25/1998
Trans1 Recv Date:	03/25/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/25/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.

EUROPADISK LTD (Continued) **1000890050**

Specific Gravity: 00.90
Year: 1998

Document ID: NYG1192275
Manifest Status: Not reported
Trans1 State ID: PX3640
Trans2 State ID: Not reported
Generator Ship Date: 05/13/1999
Trans1 Recv Date: 05/13/1999
Trans2 Recv Date: Not reported
TSD Site Recv Date: 05/13/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00040
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 008
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 1999

Document ID: NYH0323685
Manifest Status: Not reported
Trans1 State ID: 23138PA
Trans2 State ID: Not reported
Generator Ship Date: 11/25/2002
Trans1 Recv Date: 11/25/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/25/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NYB4266783
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: PD9938
Trans2 State ID: Not reported
Generator Ship Date: 03/29/1994

EUROPADISK LTD (Continued) **1000890050**

Trans1 Recv Date:	03/29/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/29/1994
Part A Recv Date:	/ /
Part B Recv Date:	05/06/1994
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D004 - ARSENIC 5.0 MG/L TCLP
Quantity:	01045
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	101
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1994

Document ID:	NYH0083925
Manifest Status:	Not reported
Trans1 State ID:	PX3640
Trans2 State ID:	Not reported
Generator Ship Date:	09/27/1999
Trans1 Recv Date:	09/27/1999
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/27/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00035
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D004 - ARSENIC 5.0 MG/L TCLP
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1999

EUROPADISK LTD (Continued) **1000890050**

Document ID:	NYH0211788
Manifest Status:	Not reported
Trans1 State ID:	PX3640
Trans2 State ID:	Not reported
Generator Ship Date:	03/27/2001
Trans1 Recv Date:	03/27/2001
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/29/2001
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00040
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	008
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2001

Document ID:	NYG1401093
Manifest Status:	Not reported
Trans1 State ID:	PX3640
Trans2 State ID:	Not reported
Generator Ship Date:	08/11/1998
Trans1 Recv Date:	08/11/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	08/12/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	F003 - UNKNOWN
Quantity:	00035
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	1998

Document ID:	NYG1105317
Manifest Status:	Not reported
Trans1 State ID:	PX3640
Trans2 State ID:	Not reported
Generator Ship Date:	12/09/1998
Trans1 Recv Date:	12/09/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/09/1998
Part A Recv Date:	Not reported

EUROPADISK LTD (Continued) **1000890050**

Part B Recv Date:	Not reported
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00040
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	008
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.01
Year:	1998

Document ID:	NYB7338375
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	10/13/1995
Trans1 Recv Date:	10/13/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/13/1995
Part A Recv Date:	10/23/1995
Part B Recv Date:	10/26/1995
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00100
Units:	P - Pounds
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1995

Document ID:	NYG0397431
Manifest Status:	Completed copy
Trans1 State ID:	PX3640
Trans2 State ID:	Not reported
Generator Ship Date:	11/19/1997
Trans1 Recv Date:	11/19/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/19/1997
Part A Recv Date:	12/03/1997
Part B Recv Date:	12/04/1997
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00030
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	006

EUROPADISK LTD (Continued) **1000890050**

Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1997

Document ID: NYH0377406
Manifest Status: Not reported
Trans1 State ID: 23138PA
Trans2 State ID: Not reported
Generator Ship Date: 09/08/2003
Trans1 Recv Date: 09/08/2003
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/08/2003
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00065
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 013
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2003

Document ID: NYH0152109
Manifest Status: Not reported
Trans1 State ID: PX3640
Trans2 State ID: Not reported
Generator Ship Date: 10/18/2000
Trans1 Recv Date: 10/18/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 10/18/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00035
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2000

Document ID: NYH0092736
Manifest Status: Not reported
Trans1 State ID: PX3640

EUROPADISK LTD (Continued) **1000890050**

Trans2 State ID:	Not reported
Generator Ship Date:	01/18/2000
Trans1 Recv Date:	01/18/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/18/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	007
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

Document ID:	NYG0211365
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PX3640
Trans2 State ID:	Not reported
Generator Ship Date:	08/21/1997
Trans1 Recv Date:	08/21/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/21/1997
Part A Recv Date:	09/11/1997
Part B Recv Date:	09/12/1997
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429
Trans2 EPA ID:	Not reported
TSDF ID:	NYD082785429
Waste Code:	D010 - SELENIUM 1.0 MG/L TCLP
Quantity:	00025
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1997

Document ID:	NYB6706332
Manifest Status:	Completed copy
Trans1 State ID:	PD9938
Trans2 State ID:	Not reported
Generator Ship Date:	10/18/1994
Trans1 Recv Date:	10/18/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/18/1994
Part A Recv Date:	10/26/1994
Part B Recv Date:	11/04/1994
Generator EPA ID:	NY0000233387
Trans1 EPA ID:	NYD082785429

EUROPADISK LTD (Continued) **1000890050**

Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D004 - ARSENIC 5.0 MG/L TCLP
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 110
Waste Code: D010 - SELENIUM 1.0 MG/L TCLP
Quantity: 00340
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 143
Year: 1994

Document ID: NYH0104283
Manifest Status: Not reported
Trans1 State ID: PX3640
Trans2 State ID: Not reported
Generator Ship Date: 06/01/2000
Trans1 Recv Date: 06/01/2000
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/01/2000
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387
Trans1 EPA ID: NYD082785429
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00035
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2000

Document ID: NYH0533196
Manifest Status: Not reported
Trans1 State ID: NYD986974376
Trans2 State ID: Not reported
Generator Ship Date: 09/15/2005
Trans1 Recv Date: 09/15/2005
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/15/2005
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY0000233387
Trans1 EPA ID: 38333PA
Trans2 EPA ID: Not reported
TSDF ID: NYD082785429

EUROPADISK LTD (Continued) **1000890050**

Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00013
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	01.00
Waste Code:	D004 - ARSENIC 5.0 MG/L TCLP
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	D004 - ARSENIC 5.0 MG/L TCLP
Quantity:	00085
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Waste Code:	Not reported
Quantity:	Not reported
Units:	Not reported
Number of Containers:	Not reported
Container Type:	Not reported
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	Not reported
Year:	2005

W283 **FEN & FEN/UNIQUE LITHO-75 VARICK ST** **RCRA NonGen / NLR** **1000226869**
East **75 VARICK ST** **FINDS** **NYD982794125**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.208 mi.
1100 ft. **Site 5 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	OLEF CREATIONS INC
Facility address:	75 VARICK ST NEW YORK, NY 10013
EPA ID:	NYD982794125
Mailing address:	VARICK ST NEW YORK, NY 10013
Contact:	AYDIN AKEMIR
Contact address:	VARICK ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 941-7616
Contact email:	Not reported
EPA Region:	02

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: AKDEMIR AYDIN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: AKDEMIR AYDIN
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: OLEF CREATIONS INC
Classification: Not a generator, verified

Date form received by agency: 08/14/1989
Site name: OLEF CREATIONS INC
Classification: Small Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D003
. Waste name: REACTIVE WASTE

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO- (OR) METHYL CHLOROFORM

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/15/1993
Date achieved compliance: 12/28/1993
Violation lead agency: EPA
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/29/1993
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/24/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/01/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/28/1993
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110009476664

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110055267385

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Registry ID: 110009472613

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Registry ID: 110019613845

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110019753104

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110019709449

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110010296312

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110019784713

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

Registry ID: 110019791073

Environmental Interest/Information System
FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

NY MANIFEST:
EPA ID: NYD982794125
Country: USA
Location Address 1: 75 VARICK ST

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: OLEF CREATIONS
Contact: OLEF CREATIONS
Address: 44-02 11TH ST STE 3FL
City/State/Zip: LONG ISLAND CITY, NY 11101 5174
Country: USA
Phone: Not reported

Manifest:

Document ID: NJA2272757
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 11/01/1996
Trans1 Recv Date: 11/01/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 11/01/1996
Part A Recv Date: / /
Part B Recv Date: 12/04/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1996

Document ID: NJA2026197
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 02/22/1996
Trans1 Recv Date: 02/22/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 02/22/1996
Part A Recv Date: / /
Part B Recv Date: 03/04/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA2272727
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 10/03/1996
Trans1 Recv Date: 10/03/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 10/03/1996
Part A Recv Date: / /
Part B Recv Date: 10/24/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA2026108
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 03/26/1996
Trans1 Recv Date: 03/26/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 03/26/1996
Part A Recv Date: / /
Part B Recv Date: 04/09/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA2272544
Manifest Status: Completed copy

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Trans1 State ID: S1034
Trans2 State ID: Not reported
Generator Ship Date: 06/04/1996
Trans1 Recv Date: 06/04/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 06/04/1996
Part A Recv Date: / /
Part B Recv Date: 06/14/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA1719962
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 12/10/1993
Trans1 Recv Date: 12/10/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 12/13/1993
Part A Recv Date: / /
Part B Recv Date: 12/27/1993
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00165
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1993

Document ID: NJA1719887
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 10/15/1993
Trans1 Recv Date: 10/15/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 10/18/1993
Part A Recv Date: / /
Part B Recv Date: 10/29/1993
Generator EPA ID: NYD982794125

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00180
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 004
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1993

Document ID: NJA4105693
Manifest Status: Not reported
Trans1 State ID: H10344
Trans2 State ID: Not reported
Generator Ship Date: 09/04/2002
Trans1 Recv Date: 09/04/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/06/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00080
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00002
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NJA4105694
Manifest Status: Not reported
Trans1 State ID: H10344
Trans2 State ID: Not reported
Generator Ship Date: 09/06/2002
Trans1 Recv Date: 09/06/2002
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/11/2002
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

TSDF ID: NJD055090815
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00003
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Waste Code: D002 - NON-LISTED CORROSIVE WASTES
Quantity: 00001
Units: L
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 2002

Document ID: NJA2272781
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 11/21/1996
Trans1 Recv Date: 11/21/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 11/22/1996
Part A Recv Date: / /
Part B Recv Date: 12/11/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA2272598
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 08/05/1996
Trans1 Recv Date: 08/05/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 08/05/1996
Part A Recv Date: / /
Part B Recv Date: 08/21/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1996

Document ID:	NJA2272819
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	S10344
Trans2 State ID:	Not reported
Generator Ship Date:	12/18/1996
Trans1 Recv Date:	12/18/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/19/1996
Part A Recv Date:	/ /
Part B Recv Date:	01/14/1997
Generator EPA ID:	NYD982794125
Trans1 EPA ID:	NJD055090815
Trans2 EPA ID:	Not reported
TSDF ID:	NJD055090815
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1996

Document ID:	NJA0831267
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	S 10344
Trans2 State ID:	Not reported
Generator Ship Date:	03/16/1990
Trans1 Recv Date:	03/16/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/19/1990
Part A Recv Date:	04/10/1990
Part B Recv Date:	04/11/1990
Generator EPA ID:	NYD982794125
Trans1 EPA ID:	NJD055090815
Trans2 EPA ID:	Not reported
TSDF ID:	NJD055090815
Waste Code:	F009 - UNKNOWN
Quantity:	00220
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1990

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Document ID:	NJA9629782
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	810344
Trans2 State ID:	Not reported
Generator Ship Date:	10/31/1989
Trans1 Recv Date:	10/31/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/05/1989
Part A Recv Date:	01/05/1990
Part B Recv Date:	11/29/1989
Generator EPA ID:	NYD982794125
Trans1 EPA ID:	NJD055090815
Trans2 EPA ID:	Not reported
TSDF ID:	NJD055090815
Waste Code:	F009 - UNKNOWN
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1989

Document ID:	NJA2028207
Manifest Status:	Not reported
Trans1 State ID:	10344
Trans2 State ID:	Not reported
Generator Ship Date:	01/30/1998
Trans1 Recv Date:	01/30/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/1998
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD982794125
Trans1 EPA ID:	NJD055090815
Trans2 EPA ID:	Not reported
TSDF ID:	NJD055090815
Waste Code:	F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity:	00165
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	1998

Document ID:	NJA2026117
Manifest Status:	Completed copy
Trans1 State ID:	S10344
Trans2 State ID:	Not reported
Generator Ship Date:	04/23/1996
Trans1 Recv Date:	04/23/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/23/1996
Part A Recv Date:	/ /

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Part B Recv Date: 05/07/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA2026183
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 08/12/1996
Trans1 Recv Date: 08/12/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 08/12/1996
Part A Recv Date: / /
Part B Recv Date: 08/28/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: D003 - NON-LISTED REACTIVE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1996

Document ID: NJA2028105
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 05/07/1996
Trans1 Recv Date: 05/07/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 05/08/1996
Part A Recv Date: / /
Part B Recv Date: 05/21/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001

FEN & FEN/UNIQUE LITHO-75 VARICK ST (Continued) **1000226869**

Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA2272738
Manifest Status: Completed copy
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 10/24/1996
Trans1 Recv Date: 10/24/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 10/24/1996
Part A Recv Date: / /
Part B Recv Date: 11/12/1996
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1996

Document ID: NJA9622043
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: S10344
Trans2 State ID: Not reported
Generator Ship Date: 06/01/1989
Trans1 Recv Date: 06/01/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 06/06/1989
Part A Recv Date: 07/07/1989
Part B Recv Date: 06/20/1989
Generator EPA ID: NYD982794125
Trans1 EPA ID: NJD055090815
Trans2 EPA ID: Not reported
TSDF ID: NJD055090815
Waste Code: F007 - PLATING BATH SOL FM ELECTROPLATING OPER
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

W284 **CON EDISION - MH47356** **RCRA NonGen / NLR** **1007208314**
East **75 VARICK ST 75 VARICK ST** **NY MANIFEST** **NYP004086468**
1/8-1/4 **NEW YORK, NY 10003**
0.208 mi.
1100 ft. **Site 6 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/02/2002
Facility name:	CON EDISION - MH47356
Facility address:	75 VARICK ST 75 VARICK ST NEW YORK, NY 10003
EPA ID:	NYP004086468
Mailing address:	IRVING PLACE NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	IRVING PLACE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/01/2002
Site name:	CON EDISION - MH47356
Classification:	Not a generator, verified
Date form received by agency:	05/31/2002
Site name:	CON EDISION - MH47356
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004086468
Country:	USA
Location Address 1:	MH47356-75 VARICK ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY

CON EDISION - MH47356 (Continued) **1007208314**

Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: FRANKLIN MURRAY
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: NYE0499077
Manifest Status: Not reported
Trans1 State ID: SM1563
Trans2 State ID: Not reported
Generator Ship Date: 07/17/2001
Trans1 Recv Date: 07/17/2001
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/18/2001
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004086468
Trans1 EPA ID: NYD006982359
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB
Quantity: 03227
Units: K - Kilograms (2.2 pounds)
Number of Containers: 001
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 01.00
Year: 2001

W285 **ONE HUDSON SQUARE** **RCRA NonGen / NLR** **1001969027**
East **75 VARICK ST 8TH FLOOR** **FINDS** **NYR000085696**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.208 mi.
1100 ft. **Site 7 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: ONE HUDSON SQUARE
Facility address: 75 VARICK ST 8TH FLOOR
NEW YORK, NY 10013
EPA ID: NYR000085696
Mailing address: TRINITY PL
NEW YORK, NY 10006
Contact: ANTHONY IOANNOU
Contact address: TRINITY PL
NEW YORK, NY 10006
Contact country: US
Contact telephone: (212) 925-2479
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator

ONE HUDSON SQUARE (Continued) **1001969027**

Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PARISH OF TRINITY PLACE
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 925-2479
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: PARISH OF TRINITY PLACE
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 925-2479
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: ONE HUDSON SQUARE
Classification: Not a generator, verified

Date form received by agency: 03/16/2000
Site name: ONE HUDSON SQUARE
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

ONE HUDSON SQUARE (Continued) **1001969027**

FINDS:

Registry ID: 110004561910

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000085696
Country:	USA
Location Address 1:	75 VARRICK ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	Not reported
Location Zip Code 4:	Not reported

Mailing Info:

Name:	ONE HUDSON SQ
Contact:	N/S
Address:	74 TRINITY PL
City/State/Zip:	NEW YORK, NY 10101
Country:	USA
Phone:	212-925-2479

Manifest:

Document ID:	NJA2927100
Manifest Status:	Not reported
Trans1 State ID:	S8424
Trans2 State ID:	Not reported
Generator Ship Date:	04/21/2000
Trans1 Recv Date:	04/21/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	04/24/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000085696
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00400
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2000

ONE HUDSON SQUARE (Continued) **1001969027**

Document ID:	NJA2927054
Manifest Status:	Not reported
Trans1 State ID:	S8424
Trans2 State ID:	Not reported
Generator Ship Date:	03/17/2000
Trans1 Recv Date:	03/17/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	03/17/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000085696
Trans1 EPA ID:	NYD046765574
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	02600
Units:	P - Pounds
Number of Containers:	013
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	01.00
Year:	2000

W286 **EDR US Hist Auto Stat** **1015624706**
East **75 VARICK ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.208 mi.
1100 ft. **Site 8 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

EDR Historical Auto Stations:

Name:	HOLLAND CAR & TRUCK TOWING
Year:	2001
Address:	75 VARICK ST
Name:	HOLLAND CAR & TRUCK TOWING
Year:	2002
Address:	75 VARICK ST
Name:	HOLLAND CAR & TRUCK TOWING
Year:	2003
Address:	75 VARICK ST
Name:	HOLLAND CAR & TRUCK TOWING
Year:	2004
Address:	75 VARICK ST
Name:	HOLLAND CAR & TRUCK TOWING
Year:	2010
Address:	75 VARICK ST

W287 **D & L OFFSET LITHOGRAPHY** **RCRA NonGen / NLR** **1000990273**
East **75 VARICK ST - 7TH FLOOR** **NY MANIFEST** **NYR000002329**
1/8-1/4 **NEW YORK, NY 10013**
0.208 mi.
1100 ft. **Site 9 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	D & L OFFSET LITHOGRAPHY
Facility address:	75 VARICK ST - 7TH FLOOR N SECTION OF FLOOR NEW YORK, NY 10013
EPA ID:	NYR000002329
Mailing address:	VARICK ST - 7TH FLOOR N SECTION OF FLOOR NEW YORK, NY 10013
Contact:	SHANNON HENRY
Contact address:	VARICK ST - 7TH FLOOR N SECTION OF FLOOR NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 226-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	THE PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	THE PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No

D & L OFFSET LITHOGRAPHY (Continued) **1000990273**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: D & L OFFSET LITHOGRAPHY
Classification: Not a generator, verified

Date form received by agency: 03/27/1995
Site name: D & L OFFSET LITHOGRAPHY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000002329
Country: USA
Location Address 1: 75 VARICK STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: D & L OFFSET LITHOGRAPHY
Contact: D & L OFFSET LITHOGRAPHY
Address: 75 VARICK STREET
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-226-3770

D & L OFFSET LITHOGRAPHY (Continued) **1000990273**

Manifest:

Document ID:	PAE6146766
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PAAH0420
Trans2 State ID:	PAAH0420
Generator Ship Date:	10/22/1996
Trans1 Recv Date:	10/22/1996
Trans2 Recv Date:	10/28/1996
TSD Site Recv Date:	10/28/1996
Part A Recv Date:	11/08/1996
Part B Recv Date:	11/26/1996
Generator EPA ID:	NYR000002329
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	NJD986607380
TSDF ID:	PAD009439662
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1996

Document ID:	LAA3371318
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA334
Trans2 State ID:	Not reported
Generator Ship Date:	06/06/1996
Trans1 Recv Date:	06/06/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/16/1996
Part A Recv Date:	06/13/1996
Part B Recv Date:	08/12/1996
Generator EPA ID:	NYR000002329
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	Not reported
TSDF ID:	NYD057770109
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1996

Document ID:	LAA3337752
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA334
Trans2 State ID:	Not reported
Generator Ship Date:	04/24/1996
Trans1 Recv Date:	04/24/1996
Trans2 Recv Date:	05/11/1996

D & L OFFSET LITHOGRAPHY (Continued) **1000990273**

TSD Site Recv Date: 05/14/1996
Part A Recv Date: 06/04/1996
Part B Recv Date: 06/05/1996
Generator EPA ID: NYR000002329
Trans1 EPA ID: NJD986607380
Trans2 EPA ID: Not reported
TSDF ID: LAD981057706
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00110
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1996

Document ID: NJA2631265
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 50059
Trans2 State ID: Not reported
Generator Ship Date: 08/15/1996
Trans1 Recv Date: 08/15/1996
Trans2 Recv Date: 08/19/1996
TSD Site Recv Date: 08/19/1996
Part A Recv Date: 08/27/1996
Part B Recv Date: 09/25/1996
Generator EPA ID: NYR000002329
Trans1 EPA ID: NJD986607380
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00010
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1996

Document ID: SCC0608980
Manifest Status: Not reported
Trans1 State ID: Not reported
Trans2 State ID: Not reported
Generator Ship Date: 06/08/1998
Trans1 Recv Date: 06/08/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/16/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000002329
Trans1 EPA ID: NJD986607380
Trans2 EPA ID: Not reported
TSDF ID: SCD036275626
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00788

D & L OFFSET LITHOGRAPHY (Continued) **1000990273**

Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	1998

Document ID:	PAE6150395
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PAAH0420
Trans2 State ID:	Not reported
Generator Ship Date:	01/07/1997
Trans1 Recv Date:	01/07/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/21/1997
Part A Recv Date:	01/27/1997
Part B Recv Date:	02/07/1997
Generator EPA ID:	NYR000002329
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	Not reported
TSDF ID:	PAD009439662
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	PAC3185136
Manifest Status:	Completed copy
Trans1 State ID:	PAAH0420
Trans2 State ID:	Not reported
Generator Ship Date:	03/13/1997
Trans1 Recv Date:	03/13/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/18/1997
Part A Recv Date:	03/21/1997
Part B Recv Date:	03/28/1997
Generator EPA ID:	NYR000002329
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	Not reported
TSDF ID:	PAD009439662
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00110
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	SCB1228980

D & L OFFSET LITHOGRAPHY (Continued) **1000990273**

Manifest Status:	Not reported
Trans1 State ID:	NJDEP5005
Trans2 State ID:	Not reported
Generator Ship Date:	12/28/1998
Trans1 Recv Date:	12/28/1998
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/02/1999
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000002329
Trans1 EPA ID:	NJD986607380
Trans2 EPA ID:	Not reported
TSDF ID:	SCD036275626
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00834
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	1998

W288 **75 VARICK ST** **NY UST** **U004192911**
East **75 VARICK STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.208 mi.
1100 ft. **Site 10 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

UST:

Id/Status:	2-154814 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	10/01/2018
UTM X:	583947.91708000004
UTM Y:	4508392.7126700003
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	4980
Affiliation Type:	Mail Contact
Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	75 VARICK STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
EMail:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/10/2013

Site Id:	4980
Affiliation Type:	On-Site Operator

75 VARICK ST (Continued) **U004192911**

Company Name:	75 VARICK STREET.
Contact Type:	Not reported
Contact Name:	LOUIS DIGIOVANNI
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 216-7575
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/10/2012

Site Id:	4980
Affiliation Type:	Emergency Contact
Company Name:	TRINITY REIT, INC.
Contact Type:	Not reported
Contact Name:	DOUGLAS MARAGH
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(917) 567-9760
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	7/10/2012

Site Id:	4980
Affiliation Type:	Facility Owner
Company Name:	TRINITY REIT, INC.
Contact Type:	ASST VICE PRESIDENT
Contact Name:	PETER A. ST.JOHN
Address1:	75 VARICK ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 216-7575
EMail:	Not reported
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/10/2013

Tank Info:

Tank Number:	002
Tank ID:	246592
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	20000
Install Date:	01/01/1930

75 VARICK ST (Continued) **U004192911**

Date Tank Closed:	12/13/2012
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	LXZIELIN
Last Modified:	01/04/2013

Equipment Records:

C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J03 - Dispenser - Gravity
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

W289 **COMERCIAL PROPERTY** **RCRA NonGen / NLR** **1004761695**
East **75 VARICK ST - MAIN FL** **FINDS** **NYR000089474**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.208 mi.
1100 ft. **Site 11 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	COMERCIAL PROPERTY
Facility address:	75 VARICK ST - MAIN FL NEW YORK, NY 10013
EPA ID:	NYR000089474
Mailing address:	VARICK ST - MAIN FL NEW YORK, NY 10013
Contact:	ANTHONY IOANNOU
Contact address:	VARICK ST - MAIN FL NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(646) 613-9421
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	THE PARISH OF TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0827

COMERCIAL PROPERTY (Continued) **1004761695**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: THE PARISH OF TRINITY CHURCH
Owner/operator address: 74 TRINITY PL
NEW YORK, NY 10006
Owner/operator country: US
Owner/operator telephone: (212) 602-0827
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: COMERCIAL PROPERTY
Classification: Not a generator, verified

Date form received by agency: 09/05/2000
Site name: COMERCIAL PROPERTY
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D018
. Waste name: BENZENE

Violation Status: No violations found

FINDS:

Registry ID: 110004564249

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

COMERCIAL PROPERTY (Continued) **1004761695**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYR000089474
Country:	USA
Location Address 1:	75 VARICK STREET
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10901
Location Zip Code 4:	Not reported

Mailing Info:

Name:	TRINITY REAL ESTATE
Contact:	BEN SANCHEZ
Address:	75 VARICK STREET
City/State/Zip:	SUFFERN, NY 10901
Country:	USA
Phone:	914-369-7500

Manifest:

Document ID:	NJA2987230
Manifest Status:	Not reported
Trans1 State ID:	S5811
Trans2 State ID:	Not reported
Generator Ship Date:	10/02/2000
Trans1 Recv Date:	10/02/2000
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/02/2000
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000089474
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D002 - NON-LISTED CORROSIVE WASTES
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00250
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	01.00
Year:	2000

W290 **CONTEL IPC** **RCRA NonGen / NLR** **1000399902**
East **75 VARICK ST** **NYD981482862**
1/8-1/4 **NEW YORK, NY 10013**
0.208 mi.
1100 ft. **Site 12 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CONTEL IPC
Facility address:	75 VARICK ST NEW YORK, NY 10013
EPA ID:	NYD981482862
Mailing address:	VARICK ST NEW YORK, NY 10013
Contact:	Not reported
Contact address:	VARICK ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CONTEL IPC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	CONTEL IPC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

CONTEL IPC (Continued) **1000399902**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: CONTEL IPC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: CONTEL IPC
Classification: Not a generator, verified

Date form received by agency: 04/14/1986
Site name: CONTEL IPC
Classification: Large Quantity Generator

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, 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.

Violation Status: No violations found

W291 **CON EDISON SERVICE BOX: 47357** **RCRA NonGen / NLR** **1016972020**
East **75 VARICK ST & GRAND ST** **NY MANIFEST** **NYP004457800**
1/8-1/4 **NEW YORK, NY 10002**
0.208 mi.
1100 ft. **Site 13 of 20 in cluster W**

Relative:
Higher

Actual:
11 ft.

RCRA NonGen / NLR:
Date form received by agency: 04/04/2014
Facility name: CON EDISON SERVICE BOX: 47357
Facility address: 75 VARICK ST & GRAND ST
NEW YORK, NY 10002
EPA ID: NYP004457800
Mailing address: IRVING PL, 15TH FL NE
NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No

CON EDISON SERVICE BOX: 47357 (Continued) **1016972020**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/04/2014
Site name: CON EDISON SERVICE BOX: 47357
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004457800
Country: USA
Location Address 1: 75 VARICK ST & GRAND ST
Location Address 2: SB47357
Location City: NEW YORK
Location State: NY
Location Zip Code: 10002
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISION
Address: 4 IRVING PL
Address 2: 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: Not reported

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 03/04/2014
Trans1 Recv Date: 03/04/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/07/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004457800
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 1000
Units: P - Pounds

CON EDISON SERVICE BOX: 47357 (Continued) **1016972020**

Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002359686GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

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292 **WB ENTRANCE TO** **NY LTANKS** **S103829278**
North **HOLLAND TUNNEL** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.209 mi.
1105 ft.

Relative:
Lower

Actual:
2 ft.

LTANKS:

Site ID:	205717
Spill Number/Closed Date:	9815149 / 2/24/2003
Spill Date:	3/21/1999
Spill Cause:	Tank Overfill
Spill Source:	Passenger Vehicle
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	3/22/1999
CID:	365
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/22/1999
Spill Record Last Update:	2/24/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	170822
DEC Memo:	Not reported

WB ENTRANCE TO (Continued) **S103829278**

Remarks: HAPPENED DURING VERY HEAVY TRAFFIC - VEH OVERHEATED SPILLING 1/2 GALLONS OF ANTIFREEZE ONTO ROADWAY - HOLLAND TUNNEL EMERGENCY REPSONSE PERSONEEL CAME TO CLEAN UP

Material:

Site ID:	205717
Operable Unit ID:	1073013
Operable Unit:	01
Material ID:	308269
Material Code:	0043A
Material Name:	ANTIFREEZE
Case No.:	Not reported
Material FA:	Other
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Y293 **CON EDISON SERVICE BOX: 49080** **RCRA-CESQG** **1016149812**
NNE **511 WASHINGTON ST OPPOSITE** **FINDS** **NYP004284782**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.210 mi.
1109 ft. **Site 1 of 5 in cluster Y**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 49080
Facility address:	511 WASHINGTON ST OPPOSITE NEW YORK, NY 10013
EPA ID:	NYP004284782
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

CON EDISON SERVICE BOX: 49080 (Continued) **1016149812**

hazardous waste

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055466650

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
- EPA ID: NYP004284782
- Country: USA
- Location Address 1: OPP 511 WASHINGTON ST
- Location Address 2: SERV BOX 49080
- Location City: NEW YORK
- Location State: NY
- Location Zip Code: 10013
- Location Zip Code 4: Not reported

Mailing Info:
- Name: CON EDISON
- Contact: CON EDISON
- Address: 4 IRVING PL 15TH FL
- City/State/Zip: NEW YORK, NY 10003
- Country: USA
- Phone: 212-460-3770

Manifest:

- Document ID: Not reported
- Manifest Status: Not reported
- Trans1 State ID: NJ0000027193

CON EDISON SERVICE BOX: 49080 (Continued) **1016149812**

Trans2 State ID:	Not reported
Generator Ship Date:	01/22/2013
Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284782
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707049JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V294 **CON EDISON** **NY MANIFEST** **S116044223**
NNE **523 GREENWICH ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.212 mi.
1118 ft. **Site 17 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

NY MANIFEST:

EPA ID:	NYP004406179
Country:	USA
Location Address 1:	523 GREENWICH ST
Location Address 2:	SB36312
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PLACE
Address 2:	15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

CON EDISON (Continued) **S116044223**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	12/14/2013
Trans1 Recv Date:	12/14/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/16/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004406179
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	002237736GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V295 **CON EDISON SERVICE BOX: 36312** **RCRA NonGen / NLR** **1016966010**
NNE **523 GREENWICH ST** **NY MANIFEST** **NYP004388666**
1/8-1/4 **NEW YORK, NY 10013**
0.212 mi.
1118 ft. **Site 18 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:

Date form received by agency:	12/08/2013
Facility name:	CON EDISON SERVICE BOX: 36312
Facility address:	523 GREENWICH ST NEW YORK, NY 10013
EPA ID:	NYP004388666
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported

CON EDISON SERVICE BOX: 36312 (Continued) **1016966010**

EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 11/08/2013
Site name: CON EDISON SERVICE BOX: 36312
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004388666
Country: USA
Location Address 1: F/O 523 GREENWICH
Location Address 2: SERVICE BOX # 36312
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD003812047
Trans2 State ID: Not reported
Generator Ship Date: 11/08/2013
Trans1 Recv Date: 11/08/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 11/13/2013
Part A Recv Date: Not reported

CON EDISON SERVICE BOX: 36312 (Continued) **1016966010**

Part B Recv Date:	Not reported
Generator EPA ID:	NYP004388666
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	002237093GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Z296 **EDR US Hist Auto Stat** **1015447671**
SE **36 ERICSSON PL** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.213 mi.
1125 ft. **Site 1 of 8 in cluster Z**

Relative:
Higher

Actual:
16 ft.

EDR Historical Auto Stations:

Name:	ERICKSON AUTO REPAIR CORP
Year:	2002
Address:	36 ERICSSON PL
Name:	ERICKSON AUTO REPAIR CORP
Year:	2003
Address:	36 ERICSSON PL
Name:	ERICKSON AUTO REPAIR
Year:	2004
Address:	36 ERICSSON PL
Name:	ERICKSON AUTO REPAIR
Year:	2005
Address:	36 ERICSSON PL
Name:	ERICKSON AUTO REPAIR
Year:	2006
Address:	36 ERICSSON PL

AA297 **CON EDISON VAULT: 9126** **RCRA NonGen / NLR** **1016969221**
SSE **74 N MOORE ST** **NY MANIFEST** **NYP004428744**
1/8-1/4 **NEW YORK, NY 10013**
0.214 mi.
1130 ft. **Site 1 of 7 in cluster AA**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/28/2014
Facility name:	CON EDISON VAULT: 9126
Facility address:	74 N MOORE ST NEW YORK, NY 10013
EPA ID:	NYP004428744
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/29/2014
Site name:	CON EDISON VAULT: 9126
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004428744
Country:	USA
Location Address 1:	74 MOORE ST & GREENWICH
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

CON EDISON VAULT: 9126 (Continued) **1016969221**

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PLACE
Address 2:	15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	01/29/2014
Trans1 Recv Date:	01/29/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/31/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004428744
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	2000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002329132GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

AA298 **CON EDISON VAULT SUBMERSIBLE: 9400** **RCRA NonGen / NLR** **1016965038**
SSE **74 N MOORE ST FRONT OF** **NY MANIFEST** **NYP004379343**
1/8-1/4 **NEW YORK, NY 10013**
0.214 mi.
1130 ft. **Site 2 of 7 in cluster AA**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	11/24/2013
Facility name:	CON EDISON VAULT SUBMERSIBLE: 9400
Facility address:	74 N MOORE ST FRONT OF NEW YORK, NY 10013
EPA ID:	NYP004379343

CON EDISON VAULT SUBMERSIBLE: 9400 (Continued) **1016965038**

Mailing address: IRVING PL, 15TH FL NE
NEW YORK, NY 10003
Contact: THOMAS TEELING
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 460-3770
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 10/24/2013
Site name: CON EDISON VAULT SUBMERSIBLE: 9400
Classification: Conditionally Exempt Small Quantity Generator

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004379343
Country: USA
Location Address 1: F/O 74 NORTH MOORE ST
Location Address 2: MH9400
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PLACE
Address 2: 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: Not reported

Manifest:

CON EDISON VAULT SUBMERSIBLE: 9400 (Continued) **1016965038**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	10/24/2013
Trans1 Recv Date:	10/24/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	10/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004379343
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	2000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	002236188GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Y299 **CON EDISON SERVICE BOX: 49086** **RCRA-CESQG** **1016149813**
NNE **513 WASHINGTON ST** **FINDS** **NYP004284790**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.216 mi.
1141 ft. **Site 2 of 5 in cluster Y**

Relative:
Higher

Actual:
7 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 49086
Facility address:	513 WASHINGTON ST NEW YORK, NY 10013
EPA ID:	NYP004284790
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar

CON EDISON SERVICE BOX: 49086 (Continued) **1016149813**

month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

FINDS:

Registry ID: 110055466669

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYP004284790
Country:	USA
Location Address 1:	513 WASHINGTON ST
Location Address 2:	SERV BOX 49086
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

CON EDISON SERVICE BOX: 49086 (Continued) **1016149813**

Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/22/2013
Trans1 Recv Date: 01/22/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/28/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004284790
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 500
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010707050JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

U300 **CON EDISON SERVICE BOX: 37959** **RCRA-CESQG 1016149937**
ESE **LAIGHT & VARICK ST** **NY MANIFEST NYP004286050**
1/8-1/4 **NEW YORK, NY 10012**
0.218 mi.
1150 ft. **Site 3 of 4 in cluster U**

Relative:
Higher

Actual:
9 ft.

RCRA-CESQG:
Date form received by agency: 01/29/2013
Facility name: CON EDISON SERVICE BOX: 37959
Facility address: LAIGHT & VARICK ST
NEW YORK, NY 10012
EPA ID: NYP004286050
Mailing address: IRVING PL, RM 828

CON EDISON SERVICE BOX: 37959 (Continued) **1016149937**

NEW YORK, NY 10003
Contact: JOSE MONTALVO
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 427-1331
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004286050
Country: USA
Location Address 1: F/O 13 LAIGHT & VARRICK ST.
Location Address 2: SERVICE BOX # 37959
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003

CON EDISON SERVICE BOX: 37959 (Continued) **1016149937**

Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/29/2013
Trans1 Recv Date: 01/29/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004286050
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 400
Units: P - Pounds
Number of Containers: 1
Container Type: TT - Cargo tank, tank trucks
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 010841013JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

U301 **CON EDISON MANHOLE: 47343** **RCRA-CESQG** **1016150108**
ESE **VARICK ST & LAIGHT ST** **NY MANIFEST** **NYP004287793**
1/8-1/4 **NEW YORK, NY 10014**
0.218 mi.
1150 ft. **Site 4 of 4 in cluster U**

Relative:
Higher

Actual:
9 ft.

RCRA-CESQG:
Date form received by agency: 02/08/2013
Facility name: CON EDISON MANHOLE: 47343
Facility address: VARICK ST & LAIGHT ST
NEW YORK, NY 10014
EPA ID: NYP004287793
Mailing address: IRVING PL, RM 828
NEW YORK, NY 10003
Contact: BENJAMIN BAMONTE
Contact address: Not reported
Not reported

CON EDISON MANHOLE: 47343 (Continued) **1016150108**

Contact country: Not reported
Contact telephone: (212) 894-9549
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004287793
Country: USA
Location Address 1: VARICK & LAIGHT ST
Location Address 2: SERV BOX 47343
Location City: NEW YORK
Location State: NY
Location Zip Code: 10014
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

CON EDISON MANHOLE: 47343 (Continued) **1016150108**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	02/08/2013
Trans1 Recv Date:	02/08/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/08/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004287793
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	2000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408728JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

AB302 **CON EDISON SERVICE BOX: 37316** **RCRA-CESQG** **1016149880**
NE **SPRING ST & HUDSON ST SE COR** **NY MANIFEST** **NYP004285474**
1/8-1/4 **NEW YORK, NY 10013**
0.218 mi.
1151 ft. **Site 1 of 7 in cluster AB**

Relative:
Higher

Actual:
15 ft.

RCRA-CESQG:

Date form received by agency:	01/26/2013
Facility name:	CON EDISON SERVICE BOX: 37316
Facility address:	SPRING ST & HUDSON ST SE COR NEW YORK, NY 10013
EPA ID:	NYP004285474
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported

CON EDISON SERVICE BOX: 37316 (Continued) **1016149880**

EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004285474
Country: USA
Location Address 1: S/E/C SPRING ST & HUDSON ST
Location Address 2: SERV BOX 27316
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported

CON EDISON SERVICE BOX: 37316 (Continued) **1016149880**

Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/25/2013
Trans1 Recv Date:	01/25/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285474
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408554JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

V303 **CON EDISON** **NY MANIFEST** **S117065749**
NNE **525 GREENWICH ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.218 mi.
1153 ft. **Site 19 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

NY MANIFEST:

EPA ID:	NYP004583340
Country:	USA
Location Address 1:	525 GREENWICH ST
Location Address 2:	SB 363113
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

CON EDISON (Continued) **S117065749**

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	07/02/2014
Trans1 Recv Date:	07/02/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/03/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004583340
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002423866GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

W304 **MTA NYCT - CANAL STREET STATION 1 LINE** **RCRA-SQG** **1014958088**
ESE **CANAL & VARICK ST** **NY MANIFEST** **NYR000193250**
1/8-1/4 **NEW YORK, NY 10013**
0.220 mi.
1160 ft. **Site 14 of 20 in cluster W**

Relative:
Higher

Actual:
9 ft.

RCRA-SQG:

Date form received by agency:	04/27/2012
Facility name:	MTA NYCT - CANAL STREET STATION 1 LINE
Facility address:	CANAL & VARICK ST NEW YORK, NY 10013
EPA ID:	NYR000193250
Mailing address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Contact:	GERALD LEZEAU
Contact address:	BROADWAY 5TH FL 503 NEW YORK, NY 10004
Contact country:	US
Contact telephone:	(646) 252-3535
Contact email:	GERALD.LEZEAU@NYCT.COM

MTA NYCT - CANAL STREET STATION 1 LINE (Continued) **1014958088**

EPA Region: 02
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MTA NYCT
Owner/operator address: BROADWAY 5TH FL 503
NEW YORK, NY 10004
Owner/operator country: US
Owner/operator telephone: (646) 252-3535
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Owner/operator name: MTA NYCT
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: 03/01/1968
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000193250
Country: USA
Location Address 1: CANAL & VARICK ST
Location Address 2: Not reported
Location City: NEW YORK

MTA NYCT - CANAL STREET STATION 1 LINE (Continued) **1014958088**

Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: MTA NYCT - CANAL STREET STATION 1 LINE
Contact: NYCT-OSS (CPM) CONT# R 50585
Address: 2 BROADWAY ROOM A27.64
City/State/Zip: NEW YORK, NY 10004
Country: USA
Phone: 646-252-5777

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJR986628162
Trans2 State ID: Not reported
Generator Ship Date: 06/28/2013
Trans1 Recv Date: 06/28/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/28/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYR000193250
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD991291105
Waste Code: Not reported
Quantity: 55
Units: P - Pounds
Number of Containers: 1
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2013
Manifest Tracking Num: 000518071WAS
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H110

AB305 **EN TRANS** **RCRA NonGen / NLR** **1000833539**
NE **300 HUDSON ST** **FINDS** **NYD987031127**
1/8-1/4 **NEW YORK, NY 10013**
0.220 mi.
1161 ft. **Site 2 of 7 in cluster AB**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	EN TRANS
Facility address:	300 HUDSON ST NEW YORK, NY 10013
EPA ID:	NYD987031127
Mailing address:	HUDSON ST NEW YORK, NY 10013
Contact:	PHILIP COSTELLO
Contact address:	HUDSON ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 349-6596
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PHILIP COSTELLO
Owner/operator address:	300 HUDSON ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 349-6596
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	PHILIP COSTELLO
Owner/operator address:	300 HUDSON ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 349-6596
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

EN TRANS (Continued) **1000833539**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: EN TRANS
Classification: Not a generator, verified

Date form received by agency: 03/19/1993
Site name: EN TRANS
Classification: Not a generator, verified

. Waste code: F006
. Waste name: 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.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F010
. Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

. Waste code: F011
. Waste name: SPENT CYANIDE SOLUTIONS FROM SLAT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

. Waste code: F012
. Waste name: QUENCHING WASTEWATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS IN WHICH CYANIDES ARE USED IN THE PROCESS.

Date form received by agency: 12/31/1979
Site name: EN TRANS
Classification: Not a generator, verified

Violation Status: No violations found

FINDS:

Registry ID: 110004502832

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource

EN TRANS (Continued) **1000833539**

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

W306 **VARICK STREET DRY CLEANERS INC** **RCRA NonGen / NLR** **1000247037**
East **80 VARICK ST** **FINDS** **NYD982537797**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.220 mi.
1163 ft. **Site 15 of 20 in cluster W**

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	VARICK STREET DRY CLEANERS INC
Facility address:	80 VARICK ST NEW YORK, NY 10013
EPA ID:	NYD982537797
Mailing address:	VARICK ST NEW YORK, NY 10013
Contact:	Not reported
Contact address:	VARICK ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SUSAN WALTER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SUSAN WALTER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: VARICK STREET DRY CLEANERS INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: VARICK STREET DRY CLEANERS INC
Classification: Not a generator, verified

Date form received by agency: 05/12/1988
Site name: VARICK STREET DRY CLEANERS INC
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: F002
. Waste name: 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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004423650

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD982537797
Country: USA

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Location Address 1: 80 VARICK STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: VARICK DRY CLEANERS
Contact: VARICK DRY CLEANERS
Address: 80 VARICK STREET
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-941-1281

Manifest:

Document ID: NJA1080097
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 01/22/1991
Trans1 Recv Date: 01/22/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 01/22/1991
Part A Recv Date: 02/04/1991
Part B Recv Date: 02/01/1991
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00140
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1991

Document ID: NJA1047656
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 02/19/1991
Trans1 Recv Date: 02/19/1991
Trans2 Recv Date: / /
TSD Site Recv Date: 02/19/1991
Part A Recv Date: 03/05/1991
Part B Recv Date: 03/13/1991
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00280

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NJA0907786
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	06/14/1990
Trans1 Recv Date:	06/14/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/14/1990
Part A Recv Date:	07/30/1990
Part B Recv Date:	06/25/1990
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00210
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA1087472
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	12/27/1990
Trans1 Recv Date:	12/27/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/27/1990
Part A Recv Date:	01/09/1991
Part B Recv Date:	01/24/1991
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00140
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA0740529

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	11/28/1989
Trans1 Recv Date:	11/28/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/28/1989
Part A Recv Date:	12/11/1989
Part B Recv Date:	12/07/1989
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00210
Units:	P - Pounds
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1989

Document ID:	NJA0432235
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	09/22/1988
Trans1 Recv Date:	09/22/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/22/1988
Part A Recv Date:	09/28/1988
Part B Recv Date:	10/12/1988
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00140
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1988

Document ID:	NJA0637193
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	05/05/1989
Trans1 Recv Date:	05/05/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/05/1989
Part A Recv Date:	05/10/1989
Part B Recv Date:	05/16/1989

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00140
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

Document ID: NJA9627717
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 07/13/1989
Trans1 Recv Date: 07/13/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 07/13/1989
Part A Recv Date: 07/21/1989
Part B Recv Date: 07/20/1989
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00210
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

Document ID: NJA0514408
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 11/18/1988
Trans1 Recv Date: 11/18/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 11/18/1988
Part A Recv Date: 11/23/1988
Part B Recv Date: 11/29/1988
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds
Number of Containers: 001
Container Type: DF - Fiberboard or plastic drums (glass)

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00490
Units: P - Pounds
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1988

Document ID: NJA0512964
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 12/29/1988
Trans1 Recv Date: 12/29/1988
Trans2 Recv Date: / /
TSD Site Recv Date: 12/29/1988
Part A Recv Date: 01/06/1989
Part B Recv Date: 01/10/1989
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00210
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1988

Document ID: NJA0928491
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 07/13/1990
Trans1 Recv Date: 07/13/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 07/13/1990
Part A Recv Date: 08/30/1990
Part B Recv Date: 08/02/1990
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00080
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Year: 1990

Document ID: NJA0432853
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 01/31/1989
Trans1 Recv Date: 01/31/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 01/31/1989
Part A Recv Date: 02/08/1989
Part B Recv Date: 02/07/1989
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00210
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

Document ID: NJA0715249
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 11/02/1989
Trans1 Recv Date: 11/02/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 11/02/1989
Part A Recv Date: 11/08/1989
Part B Recv Date: 11/10/1989
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00210
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1989

Document ID: NJA0807316
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 05/30/1990
Trans1 Recv Date: 05/30/1990

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/30/1990
Part A Recv Date:	07/31/1990
Part B Recv Date:	06/06/1990
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00210
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA1089669
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	10/02/1990
Trans1 Recv Date:	10/02/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/02/1990
Part A Recv Date:	10/25/1990
Part B Recv Date:	11/05/1990
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00210
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA0906266
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	09/04/1990
Trans1 Recv Date:	09/04/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/04/1990
Part A Recv Date:	09/13/1990
Part B Recv Date:	09/11/1990
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Quantity: 00210
Units: P - Pounds
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

Document ID: NJA0618781
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 06/05/1989
Trans1 Recv Date: 06/05/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 06/05/1989
Part A Recv Date: 06/13/1989
Part B Recv Date: 06/14/1989
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00280
Units: P - Pounds
Number of Containers: 004
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

Document ID: NJA0799191
Manifest Status: Completed copy
Trans1 State ID: 000000000
Trans2 State ID: 000000000
Generator Ship Date: 02/21/1990
Trans1 Recv Date: 02/21/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 02/21/1990
Part A Recv Date: 03/16/1990
Part B Recv Date: 03/07/1990
Generator EPA ID: NYD982537797
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00140
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

VARICK STREET DRY CLEANERS INC (Continued) **1000247037**

Document ID:	NJA0928245
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	08/09/1990
Trans1 Recv Date:	08/09/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/09/1990
Part A Recv Date:	08/30/1990
Part B Recv Date:	08/30/1990
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00210
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA1060365
Manifest Status:	Completed copy
Trans1 State ID:	032921
Trans2 State ID:	Not reported
Generator Ship Date:	10/30/1990
Trans1 Recv Date:	10/30/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/30/1990
Part A Recv Date:	11/08/1990
Part B Recv Date:	11/14/1990
Generator EPA ID:	NYD982537797
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00210
Units:	P - Pounds
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

W307 **80 VARICK STREET GROUP LP** **NY AST** **U004077847**
East **80-92 VARICK STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.220 mi.
1163 ft. **Site 16 of 20 in cluster W**

Relative:
Higher

Actual:
10 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-342335

80 VARICK STREET GROUP LP (Continued) **U004077847**

Program Type: PBS
UTM X: 583939.92203000002
UTM Y: 4508556.4221999999
Expiration Date: 07/24/2017
Site Type: Apartment Building/Office Building

Affiliation Records:

Site Id: 16608
Affiliation Type: Facility Owner
Company Name: 80 VARICK STREET GROUP LP
Contact Type: MANAGING AGENT
Contact Name: MICHAEL SAPERSTEIN
Address1: P.O. BOX 1495, RADIO CITY STATION
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10101-1495
Country Code: 001
Phone: (212) 977-3877
EMail: Not reported
Fax Number: Not reported
Modified By: KXTANG
Date Last Modified: 5/17/2007

Site Id: 16608
Affiliation Type: Mail Contact
Company Name: IAB MANAGEMENT INC
Contact Type: Not reported
Contact Name: MICHAEL SAPERSTEIN
Address1: P.O. BOX 1495
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10101-1495
Country Code: 001
Phone: (212) 977-3877
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 16608
Affiliation Type: On-Site Operator
Company Name: 80 VARICK STREET GROUP LP
Contact Type: Not reported
Contact Name: MICHAEL SAPERSTEIN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (212) 343-8755
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

80 VARICK STREET GROUP LP (Continued) **U004077847**

Site Id:	16608
Affiliation Type:	Emergency Contact
Company Name:	80 VARICK STREET GROUP LP
Contact Type:	Not reported
Contact Name:	MARK RAMER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 613-9823
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	002
Tank Id:	32045
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J01 - Dispenser - Pressurized Dispenser
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
L00 - Piping Leak Detection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
K01 - Spill Prevention - Catch Basin
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1989
Capacity Gallons:	10000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	KAKYER
Last Modified:	06/19/2012
Material Name:	#2 Fuel Oil (On-Site Consumption)

W308 **NYNEX** **NY MANIFEST** **1009233277**
ESE **VARICK & CANAL ST SE** **N/A**
1/8-1/4 **NEW YORK, NY**
0.220 mi.
1163 ft. **Site 17 of 20 in cluster W**

Relative:
Higher

Actual:
8 ft.

NY MANIFEST:

EPA ID:	NYP000912923
Country:	USA
Location Address 1:	VARICK & CANAL ST SE
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	Not reported
Location Zip Code 4:	Not reported

Mailing Info:

Name:	NYNEX
Contact:	R DEPASO
Address:	1095 AVE OF AMER
City/State/Zip:	NEW YORK, NY 10036
Country:	USA
Phone:	212-395-8544

Manifest:

Document ID:	CTF0276627
Manifest Status:	Completed copy
Trans1 State ID:	Not reported
Trans2 State ID:	Not reported
Generator Ship Date:	01/19/1994
Trans1 Recv Date:	01/19/1994
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/20/1994
Part A Recv Date:	04/08/1994
Part B Recv Date:	01/28/1994
Generator EPA ID:	NYP000912923
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	Not reported
TSDF ID:	CTD000604488
Waste Code:	D008 - LEAD 5.0 MG/L TCLP
Quantity:	00002
Units:	Y - Cubic yards* (.85 tons)
Number of Containers:	001
Container Type:	DT - Dump trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1994

W309 **GRAND VARICK CORP (TRINITY REAL ESTATE)** **NY AST** **U004046996**
East **76 VARICK STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10006**
0.221 mi.
1165 ft. **Site 18 of 20 in cluster W**

Relative:
Higher

Actual:
9 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-238341

GRAND VARICK CORP (TRINITY REAL ESTATE) (Continued) **U004046996**

Program Type:	PBS
UTM X:	583960.09913999995
UTM Y:	4508391.0743199997
Expiration Date:	11/16/2002
Site Type:	Other

Affiliation Records:

Site Id:	8921
Affiliation Type:	Facility Owner
Company Name:	THE PARISH OF TRINITY CHURCH
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0809
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8921
Affiliation Type:	Mail Contact
Company Name:	BUILDERS GROUP
Contact Type:	Not reported
Contact Name:	JOHN KRUPA
Address1:	115 BROADWAY
Address2:	18TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 635-0760
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	8921
Affiliation Type:	On-Site Operator
Company Name:	GRAND VARICK CORP (TRINITY REAL ESTATE)
Contact Type:	Not reported
Contact Name:	AMERICAN BLDG MAINT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 219-1713
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

GRAND VARICK CORP (TRINITY REAL ESTATE) (Continued) **U004046996**

Site Id:	8921
Affiliation Type:	Emergency Contact
Company Name:	THE PARISH OF TRINITY CHURCH
Contact Type:	Not reported
Contact Name:	GARY STANTIEWICZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(646) 210-6252
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	96543
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Location:	4
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/01/2000
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#2 Fuel Oil (On-Site Consumption)

Tank Number:	001-A
Tank Id:	96544
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

GRAND VARICK CORP (TRINITY REAL ESTATE) (Continued) **U004046996**

Equipment Records:
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G10 - Tank Secondary Containment - Impervious Underlayment (AG)
J02 - Dispenser - Suction Dispenser
B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 275
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: #2 Fuel Oil (On-Site Consumption)

Tank Number: 002
Tank Id: 66468
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:
B01 - Tank External Protection - Painted/Asphalt Coating
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G10 - Tank Secondary Containment - Impervious Underlayment (AG)
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None

Tank Location: 6
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: Not reported
Capacity Gallons: 275
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: TRANSLAT
Last Modified: 03/04/2004
Material Name: #2 Fuel Oil (On-Site Consumption)

W310 **PARISH OF TRINITY CHURCH** **RCRA-CESQG** **1006810655**
East **76 VARICK ST - ABANDON BLDG** **FINDS** **NYR000114777**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.221 mi.
1165 ft. **Site 19 of 20 in cluster W**

Relative:
Higher

Actual:
9 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	PARISH OF TRINITY CHURCH
Facility address:	76 VARICK ST - ABANDON BLDG NEW YORK, NY 100131909
EPA ID:	NYR000114777
Mailing address:	TRINITY PLACE NEW YORK, NY 10006
Contact:	KEITH GEORGE
Contact address:	TRINITY PLACE NEW YORK, NY 10006
Contact country:	US
Contact telephone:	(212) 602-0844
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	TRINITY PLACE NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0844
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

Owner/operator name:	PARISH OF TRINITY CHURCH
Owner/operator address:	VARICK ST - ABANDON BLDG NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0844
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/31/1979
Owner/Op end date:	Not reported

PARISH OF TRINITY CHURCH (Continued) **1006810655**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: PARISH OF TRINITY CHURCH
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 04/10/2003
Site name: PARISH OF TRINITY CHURCH
Classification: Small Quantity Generator

Violation Status: No violations found

FINDS:

Registry ID: 110014448197

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000114777
Country: USA
Location Address 1: 76 VARICK STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10025
Location Zip Code 4: Not reported

Mailing Info:
Name: PARISH OF TRINITY CHURCH
Contact: DUNG VAN NGUYEN
Address: 76 VARICK STREET
City/State/Zip: NEW YORK, NY 10025
Country: USA

PARISH OF TRINITY CHURCH (Continued) **1006810655**

Phone: 718-794-4300

Manifest:

Document ID:	NYG2807901
Manifest Status:	Not reported
Trans1 State ID:	40579PANY
Trans2 State ID:	Not reported
Generator Ship Date:	07/15/2003
Trans1 Recv Date:	07/15/2003
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/16/2003
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000114777
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	B007 - OTHER MISCELLANEOUS PCB WASTES
Quantity:	00750
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	01.00
Year:	2003

W311 **CHASE BANK** **NY LTANKS** **S107417058**
ESE **74 VARICK STREET** **NY E DESIGNATION** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.221 mi.
1165 ft. **Site 20 of 20 in cluster W**

Relative:
Higher

Actual:
8 ft.

LTANKS:

Site ID:	354491
Spill Number/Closed Date:	0508831 / 11/23/2005
Spill Date:	10/24/2005
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	10/24/2005
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/24/2005
Spill Record Last Update:	11/23/2005
Spiller Name:	TERRANCE FARRELL

CHASE BANK (Continued) **S107417058**

Spiller Company:	CHASE BANK
Spiller Address:	74 VARICK STREET
Spiller City,St,Zip:	MANHATTEN, NY
Spiller County:	001
Spiller Contact:	TERRANCE FARRELL
Spiller Phone:	(718) 441-6800
Spiller Extention:	134
DEC Region:	2
DER Facility ID:	301846
DEC Memo:	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
Remarks:	ABOVE GROUND IN BASEMENT IN A VAULT, HAVE CLEANED UP ABOUT 5 GALLONS : Not reported

Material:

Site ID:	354491
Operable Unit ID:	1111895
Operable Unit:	01
Material ID:	2101940
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

E DESIGNATION:

Tax Lot(s):	69
Tax Block:	227
Borough Code:	Not reported
E-No:	E-288
Effective Date:	3/20/2013
Satisfaction Date:	Not reported
Ceqr Number:	12DCP045M
Ulurp Number:	120380ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	No operable window or air intakes limitations
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

AA312 **LEICESTERSHIRE ARMS LTD** **RCRA NonGen / NLR** **1010328860**
SSE **55 N MOORE ST** **NY MANIFEST** **NYR000145326**
1/8-1/4 **NEW YORK, NY 10013**
0.224 mi.
1184 ft. **Site 3 of 7 in cluster AA**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/27/2012
Facility name:	LEICESTERSHIRE ARMS LTD
Facility address:	55 N MOORE ST NEW YORK, NY 10013
EPA ID:	NYR000145326
Mailing address:	LAFAHETTE ST SUITE 506 NEW YORK, NY 10012
Contact:	ALBERT ABELA
Contact address:	LAFAHETTE ST SUITE 506 NEW YORK, NY 10012
Contact country:	US
Contact telephone:	(212) 334-4400
Contact email:	AA@DOWNTOWNPROPERTIES.BIZ
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DOWNTOWN PROPERTIES, INC
Owner/operator address:	LATNGETTE STREET SUITE 506 N.Y., NY 10012
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/01/2008
Owner/Op end date:	Not reported

Owner/operator name:	LEICESTERSHIRE ARMS LTD.
Owner/operator address:	LATNGETTE STREET SUITE 506 N.Y., NY 10012
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/01/2006
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No

LEICESTERSHIRE ARMS LTD (Continued) **1010328860**

Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 05/07/2008
Site name: 55 NORTH MOORE STREET
Classification: Not a generator, verified

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 04/06/2007
Site name: LEICESTERSHIRE ARMS LTD
Classification: Not a generator, verified

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 04/05/2007
Site name: LEICESTERSHIRE ARMS LTD
Classification: Not a generator, verified

Date form received by agency: 04/05/2007
Site name: LEICESTERSHIRE ARMS LTD
Classification: Not a generator, verified

Date form received by agency: 03/23/2007
Site name: LEICESTERSHIRE ARMS LTD
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYR000145326
Country: USA
Location Address 1: 55 NORTH MOORE STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: LEICESTERSHIER ARMS LTD
Contact: VICTOR RUSU

LEICESTERSHIRE ARMS LTD (Continued) **1010328860**

Address:	55 NORTH MOORE STREET
City/State/Zip:	NEW YORK, NY 10013
Country:	USA
Phone:	646-240-6597

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD054126164
Trans2 State ID:	OHD000000539
Generator Ship Date:	03/29/2007
Trans1 Recv Date:	03/29/2007
Trans2 Recv Date:	03/29/2007
TSD Site Recv Date:	04/12/2007
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYR000145326
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD083377010
Waste Code:	Not reported
Quantity:	4200
Units:	P - Pounds
Number of Containers:	14
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2007
Manifest Tracking Num:	000067420WAS
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

AA313 **FEDERAL BUREAU OF INVESTIGATION** **RCRA NonGen / NLR** **1000212471**
SSE **56 N MOORE ST** **FINDS** **NYD982790370**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.226 mi.
1192 ft. **Site 4 of 7 in cluster AA**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FEDERAL BUREAU OF INVESTIGATION
Facility address:	56 N MOORE ST NEW YORK, NY 100132335
EPA ID:	NYD982790370
Mailing address:	N MOORE ST NEW YORK, NY 10013
Contact:	Not reported

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Contact address: N MOORE ST
NEW YORK, NY 10013
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: US GOVERMENT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: US GOVERMENT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FEDERAL BUREAU OF INVESTIGATION
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: FEDERAL BUREAU OF INVESTIGATION
Classification: Not a generator, verified

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Date form received by agency: 10/16/1989
Site name: FEDERAL BUREAU OF INVESTIGATION
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

. Waste code: F002
. Waste name: 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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/09/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/05/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110004433426

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD982790370
Country: USA
Location Address 1: 56 NORTH MOORE ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Location Zip Code 4: Not reported

Mailing Info:
Name: FEDERAL BUREAU OF INVESTIGATION
Contact: FEDERAL BUREAU OF INVESTIGATION
Address: 56 NORTH MOORE ST
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-553-2700

Manifest:

Document ID: NJA1647950
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 02/17/1993
Trans1 Recv Date: 02/17/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 02/17/1993
Part A Recv Date: 03/10/1993
Part B Recv Date: 03/02/1993
Generator EPA ID: NYD982790370
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00021
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Document ID: NJA1721047
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 07/07/1993
Trans1 Recv Date: 07/07/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 07/07/1993
Part A Recv Date: 08/16/1993
Part B Recv Date: 07/19/1993
Generator EPA ID: NYD982790370
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00023
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Year: 1993

Document ID: NJA1738871
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 10/26/1993
Trans1 Recv Date: 10/26/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 10/26/1993
Part A Recv Date: 11/18/1993
Part B Recv Date: 11/24/1993
Generator EPA ID: NYD982790370
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00024
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Document ID: NJA1751660
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 09/03/1993
Trans1 Recv Date: 09/03/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 09/03/1993
Part A Recv Date: 10/22/1993
Part B Recv Date: 10/04/1993
Generator EPA ID: NYD982790370
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00021
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Document ID: NJA1066488
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 12/27/1990
Trans1 Recv Date: 12/27/1990

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/28/1990
Part A Recv Date:	01/10/1991
Part B Recv Date:	01/24/1991
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00185
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1990

Document ID:	NJA1078120
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	12/03/1990
Trans1 Recv Date:	12/03/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/03/1990
Part A Recv Date:	01/03/1991
Part B Recv Date:	01/02/1991
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1990

Document ID:	NJA0727475
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	01/04/1990
Trans1 Recv Date:	01/04/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/04/1990
Part A Recv Date:	01/24/1990
Part B Recv Date:	01/17/1990
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA2228979
Manifest Status:	Completed copy
Trans1 State ID:	08690
Trans2 State ID:	Not reported
Generator Ship Date:	01/18/1996
Trans1 Recv Date:	01/18/1996
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/18/1996
Part A Recv Date:	/ /
Part B Recv Date:	02/02/1996
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00021
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1996

Document ID:	NJA1803544
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	12/22/1993
Trans1 Recv Date:	12/22/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/22/1993
Part A Recv Date:	01/07/1994
Part B Recv Date:	01/10/1994
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00024
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1993

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Document ID:	NJA1620095
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	05/21/1993
Trans1 Recv Date:	05/21/1993
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/21/1993
Part A Recv Date:	06/08/1993
Part B Recv Date:	06/18/1993
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00020
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1993

Document ID:	NJA0711196
Manifest Status:	Completed copy
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	01/18/1990
Trans1 Recv Date:	01/18/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	01/18/1990
Part A Recv Date:	01/24/1990
Part B Recv Date:	01/25/1990
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA0923918
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	07/11/1990
Trans1 Recv Date:	07/11/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/11/1990
Part A Recv Date:	08/15/1990

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Part B Recv Date:	07/30/1990
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA0818443
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	000000000
Trans2 State ID:	000000000
Generator Ship Date:	03/30/1990
Trans1 Recv Date:	03/30/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/30/1990
Part A Recv Date:	04/26/1990
Part B Recv Date:	04/09/1990
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1990

Document ID:	NJA1920760
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPE086
Trans2 State ID:	Not reported
Generator Ship Date:	03/21/1995
Trans1 Recv Date:	03/21/1995
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/21/1995
Part A Recv Date:	/ /
Part B Recv Date:	03/31/1995
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD984908202
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00021
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	003

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1995

Document ID: NJA1543301
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 03/11/1993
Trans1 Recv Date: 03/11/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 03/11/1993
Part A Recv Date: 03/23/1993
Part B Recv Date: 03/26/1993
Generator EPA ID: NYD982790370
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00024
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Document ID: NJA1736926
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 09/23/1993
Trans1 Recv Date: 09/23/1993
Trans2 Recv Date: / /
TSD Site Recv Date: 09/23/1993
Part A Recv Date: 10/14/1993
Part B Recv Date: 10/06/1993
Generator EPA ID: NYD982790370
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00020
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 003
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1993

Document ID: NJA1643803
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Trans2 State ID:	Not reported
Generator Ship Date:	12/30/1992
Trans1 Recv Date:	12/30/1992
Trans2 Recv Date:	12/30/1992
TSD Site Recv Date:	12/30/1992
Part A Recv Date:	01/15/1993
Part B Recv Date:	01/20/1993
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1992

Document ID:	NJA1429005
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	04/20/1992
Trans1 Recv Date:	04/20/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/20/1992
Part A Recv Date:	09/29/1992
Part B Recv Date:	06/01/1992
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1992

Document ID:	NJA1361323
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	10/26/1992
Trans1 Recv Date:	10/26/1992
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/26/1992
Part A Recv Date:	11/18/1992
Part B Recv Date:	11/10/1992
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408

FEDERAL BUREAU OF INVESTIGATION (Continued) **1000212471**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	100
Year:	1992

Document ID:	NJA0731587
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	11/21/1989
Trans1 Recv Date:	11/21/1989
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/21/1989
Part A Recv Date:	01/08/1990
Part B Recv Date:	11/30/1989
Generator EPA ID:	NYD982790370
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD000768093
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00135
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1989

AC314 **CON EDISON SERVICE BOX: 28259** **RCRA NonGen / NLR** **1016969798**
ENE **568 BROOME ST** **NY MANIFEST** **NYP004434841**
1/8-1/4 **NEW YORK, NY 10013**
0.227 mi.
1198 ft. **Site 1 of 9 in cluster AC**

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/05/2014
Facility name:	CON EDISON SERVICE BOX: 28259
Facility address:	568 BROOME ST NEW YORK, NY 10013
EPA ID:	NYP004434841
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

CON EDISON SERVICE BOX: 28259 (Continued) **1016969798**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 02/05/2014
- Site name: CON EDISON SERVICE BOX: 28259
- Classification: Conditionally Exempt Small Quantity Generator

- Violation Status: No violations found

NY MANIFEST:
- EPA ID: NYP004434841
- Country: USA
- Location Address 1: 568 BROOME ST
- Location Address 2: SB 28259
- Location City: NEW YORK
- Location State: NY
- Location Zip Code: 10013
- Location Zip Code 4: Not reported

Mailing Info:
- Name: CON ED
- Contact: TOM TEELING
- Address: 4 IRVING PLACE - 15TH FLOOR
- City/State/Zip: NEW YORK, NY 10003
- Country: USA
- Phone: 212-460-3770

Manifest:

- Document ID: Not reported
- Manifest Status: Not reported
- Trans1 State ID: NJ0000027193
- Trans2 State ID: Not reported
- Generator Ship Date: 02/05/2014
- Trans1 Recv Date: 02/05/2014
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 02/06/2014
- Part A Recv Date: Not reported
- Part B Recv Date: Not reported
- Generator EPA ID: NYP004434841
- Trans1 EPA ID: Not reported
- Trans2 EPA ID: Not reported

CON EDISON SERVICE BOX: 28259 (Continued) **1016969798**

TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	011697631JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Y315 **CON EDISON SERVICE BOX: 49081** **RCRA-CESQG** **1016149811**
NNE **517 WASHINGTON ST OPPOSITE** **FINDS** **NYP004284774**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.228 mi.
1203 ft. **Site 3 of 5 in cluster Y**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	01/22/2013
Facility name:	CON EDISON SERVICE BOX: 49081
Facility address:	517 WASHINGTON ST OPPOSITE NEW YORK, NY 10013
EPA ID:	NYP004284774
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

CON EDISON SERVICE BOX: 49081 (Continued) **1016149811**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055465811

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004284774
Country: USA
Location Address 1: OPP 517 WASHINGTON ST
Location Address 2: SERV BOX 49081
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/22/2013

CON EDISON SERVICE BOX: 49081 (Continued) **1016149811**

Trans1 Recv Date:	01/22/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/24/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284774
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707048JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

AC316 **SAGE PLATE SERVICE CORP** **RCRA NonGen / NLR** **1000197993**
ENE **121 VARICK ST** **NY MANIFEST** **NYD001295906**
1/8-1/4 **NEW YORK, NY 10013** **NY Spills**
0.229 mi.
1209 ft. **Site 2 of 9 in cluster AC**

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SAGE PLATE SERVICE CORP
Facility address:	121 VARICK ST NEW YORK, NY 10013
EPA ID:	NYD001295906
Mailing address:	VARICK ST NEW YORK, NY 10013
Contact:	Not reported
Contact address:	VARICK ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	Not reported

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: Not reported
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: SAGE PLATE SERVICE CORP
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: SAGE PLATE SERVICE CORP
Classification: Not a generator, verified

Date form received by agency: 01/07/1981
Site name: SAGE PLATE SERVICE CORP
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

SAGE PLATE SERVICE CORP (Continued) **1000197993**

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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED 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 NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/12/1985
Date achieved compliance: 02/25/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/31/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 11/12/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/25/1986
Evaluation lead agency: State

NY MANIFEST:
EPA ID: NYD001295906
Country: USA
Location Address 1: 121 VARICK STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: SAGE PLATE SERVICE CORPORATION
Contact: HERBERT SIESING

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Address: 121 VARICK STREET
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-691-4455

Manifest:

Document ID: NJO0069624
Manifest Status: Completed copy
Trans1 State ID: NJSWAS2
Trans2 State ID: Not reported
Generator Ship Date: 01/13/1983
Trans1 Recv Date: 01/13/1983
Trans2 Recv Date: / /
TSD Site Recv Date: 01/13/1983
Part A Recv Date: 02/01/2003
Part B Recv Date: 02/01/2003
Generator EPA ID: NYD001295906
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: U210 - TETRACHLOROETHYLENE
Quantity: 00600
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 020
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 1983

Document ID: NJO0184512
Manifest Status: Completed copy
Trans1 State ID: 2841AY
Trans2 State ID: Not reported
Generator Ship Date: 02/16/1984
Trans1 Recv Date: 02/16/1984
Trans2 Recv Date: / /
TSD Site Recv Date: 02/16/1984
Part A Recv Date: 03/09/1984
Part B Recv Date: 02/27/1984
Generator EPA ID: NYD001295906
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: U031 - N-BUTYL ALCOHOL(L)
Quantity: 00450
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 015
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 1984

Document ID: NJO0069626
Manifest Status: Completed copy

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Trans1 State ID:	S2841AY
Trans2 State ID:	Not reported
Generator Ship Date:	07/21/1983
Trans1 Recv Date:	07/21/1983
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/21/1983
Part A Recv Date:	08/01/2003
Part B Recv Date:	08/01/2003
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00750
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	025
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1983

Document ID:	NJO0007284
Manifest Status:	Generator copy
Trans1 State ID:	NJSWAS8
Trans2 State ID:	Not reported
Generator Ship Date:	08/26/1981
Trans1 Recv Date:	08/26/1981
Trans2 Recv Date:	/ /
TSD Site Recv Date:	/ /
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00570
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1980-1981

Document ID:	NJO0184513
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	S2841AY
Trans2 State ID:	Not reported
Generator Ship Date:	12/28/1983
Trans1 Recv Date:	12/28/1983
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/28/1983
Part A Recv Date:	01/04/2004
Part B Recv Date:	01/17/1984
Generator EPA ID:	NYD001295906

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: U031 - N-BUTYL ALCOHOL(L)
Quantity: 00450
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 015
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 1983

Document ID: NJO0184514
Manifest Status: Completed copy
Trans1 State ID: S2841AY
Trans2 State ID: Not reported
Generator Ship Date: 11/11/1983
Trans1 Recv Date: 11/11/1983
Trans2 Recv Date: / /
TSD Site Recv Date: 11/11/1983
Part A Recv Date: 11/18/2003
Part B Recv Date: 11/18/2003
Generator EPA ID: NYD001295906
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: U031 - N-BUTYL ALCOHOL(L)
Quantity: 00420
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 014
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 1983

Document ID: NJO0184515
Manifest Status: Completed copy
Trans1 State ID: S7841AY
Trans2 State ID: Not reported
Generator Ship Date: 09/29/1983
Trans1 Recv Date: 09/29/1983
Trans2 Recv Date: / /
TSD Site Recv Date: 09/29/1983
Part A Recv Date: 10/11/2003
Part B Recv Date: 10/11/2003
Generator EPA ID: NYD001295906
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: U031 - N-BUTYL ALCOHOL(L)
Quantity: 00570
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 019
Container Type: DM - Metal drums, barrels
Handling Method: Not reported

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Specific Gravity: 100
Year: 1983

Document ID: NJO0184508
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 2841AY
Trans2 State ID: Not reported
Generator Ship Date: 09/13/1984
Trans1 Recv Date: 09/13/1984
Trans2 Recv Date: / /
TSD Site Recv Date: 09/13/1984
Part A Recv Date: 09/18/1984
Part B Recv Date: 10/10/1984
Generator EPA ID: NYD001295906
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: U031 - N-BUTYL ALCOHOL(L)
Quantity: 00210
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 1984

Document ID: NJO0069618
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: JA030
Trans2 State ID: Not reported
Generator Ship Date: 02/19/1982
Trans1 Recv Date: 02/19/1982
Trans2 Recv Date: / /
TSD Site Recv Date: 02/19/1982
Part A Recv Date: / /
Part B Recv Date: / /
Generator EPA ID: NYD001295906
Trans1 EPA ID: NJD002200046
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: U031 - N-BUTYL ALCOHOL(L)
Quantity: 00540
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 018
Container Type: DM - Metal drums, barrels
Handling Method: Not reported
Specific Gravity: 100
Year: 1982

Document ID: NJO0069619
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: JA030
Trans2 State ID: Not reported
Generator Ship Date: 03/30/1982

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Trans1 Recv Date:	03/30/1982
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/30/1982
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U031 - N-BUTYL ALCOHOL(L)
Quantity:	00480
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	016
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1982

Document ID:	NJO0069621
Manifest Status:	Completed copy
Trans1 State ID:	S2441AY
Trans2 State ID:	Not reported
Generator Ship Date:	07/20/1982
Trans1 Recv Date:	07/20/1982
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/20/1982
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1982

Document ID:	NJO0069622
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWM52
Trans2 State ID:	Not reported
Generator Ship Date:	09/21/1982
Trans1 Recv Date:	09/21/1982
Trans2 Recv Date:	/ /
TSD Site Recv Date:	09/21/1982
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00570
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1982

Document ID:	NJO0069623
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJSWA52
Trans2 State ID:	Not reported
Generator Ship Date:	11/02/1982
Trans1 Recv Date:	11/02/1982
Trans2 Recv Date:	/ /
TSD Site Recv Date:	11/02/1982
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00570
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1982

Document ID:	NJO0069616
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	S2441AY
Trans2 State ID:	Not reported
Generator Ship Date:	10/22/1981
Trans1 Recv Date:	10/22/1981
Trans2 Recv Date:	/ /
TSD Site Recv Date:	10/22/1981
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00570
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	019
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1980-1981

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Document ID:	NJO0069617
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	JA030
Trans2 State ID:	Not reported
Generator Ship Date:	12/22/1981
Trans1 Recv Date:	12/22/1981
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/22/1981
Part A Recv Date:	/ /
Part B Recv Date:	/ /
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00600
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	020
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1980-1981

Document ID:	NJO0184509
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	2841AY
Trans2 State ID:	Not reported
Generator Ship Date:	08/06/1984
Trans1 Recv Date:	08/06/1984
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/06/1984
Part A Recv Date:	08/13/1984
Part B Recv Date:	09/18/1984
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00450
Units:	P - Pounds
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1984

Document ID:	NJO0184510
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	2841AY
Trans2 State ID:	Not reported
Generator Ship Date:	06/01/1984
Trans1 Recv Date:	06/01/1984
Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/01/1984
Part A Recv Date:	06/07/1984

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Part B Recv Date:	07/09/1984
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U210 - TETRACHLOROETHYLENE
Quantity:	00450
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1984

Document ID:	NJO0184511
Manifest Status:	Completed copy
Trans1 State ID:	2891AY
Trans2 State ID:	Not reported
Generator Ship Date:	04/05/1984
Trans1 Recv Date:	04/05/1984
Trans2 Recv Date:	/ /
TSD Site Recv Date:	04/05/1984
Part A Recv Date:	04/11/1984
Part B Recv Date:	04/17/1984
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U031 - N-BUTYL ALCOHOL(L)
Quantity:	00450
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	015
Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1984

Document ID:	NJO0069625
Manifest Status:	Completed copy
Trans1 State ID:	S2891NY
Trans2 State ID:	Not reported
Generator Ship Date:	03/22/1983
Trans1 Recv Date:	03/22/1983
Trans2 Recv Date:	/ /
TSD Site Recv Date:	03/22/1983
Part A Recv Date:	03/30/2003
Part B Recv Date:	03/30/2003
Generator EPA ID:	NYD001295906
Trans1 EPA ID:	NJD002200046
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	U031 - N-BUTYL ALCOHOL(L)
Quantity:	00390
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	013

SAGE PLATE SERVICE CORP (Continued) **1000197993**

Container Type:	DM - Metal drums, barrels
Handling Method:	Not reported
Specific Gravity:	100
Year:	1983

SPILLS:

Facility ID:	1104109
Facility Type:	ER
DER Facility ID:	406281
Site ID:	451698
DEC Region:	2
Spill Date:	7/14/2011
Spill Number/Closed Date:	1104109 / Not Reported
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	3101
Investigator:	JKKANN
Referred To:	CMTS SENT ON 1/28, ADDTL WELLS NDD, PRDT RMVL ONGO
Reported to Dept:	7/14/2011
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	7/14/2011
Spill Record Last Update:	1/5/2015
Spiller Name:	DAVID MOYAL
Spiller Company:	121 VARICK STREET CORP
Spiller Address:	121 VARICK STREET
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	999
Contact Name:	PETER MIRABILE
Contact Phone:	(718) 855-7272
DEC Memo:	07/13/11-Hiralkumar Patel. while investigating spill on 5th floor (spill #: 1104069), found following:alternate addresses: 119-123 Varick Street, 22-30 Dominick Streetno other spills reported at the site.PBS #: 2-480959. as per PBS record, the site has one 5,500 gal #6 oil UST. the registration expired on 07/09/2010.2:45 PM:- spoke with Mr. Moyal regarding PBS violation. Mr. Moyal mentioned that about two months ago, they found water in boiler. as there could be a leak in system somewhere, they hired Riteway Tank to abandon the 5,500 gal UST and to install a new #2 oil AST inside the building. asked Mr. Moyal to renew the registration immediately.3:17 PM:- spoke with Anthony at Riteway. he mentioned that there was sidewalk work done about couple of months ago and he suspect a fill line got damaged during work. tank is located under the south sidewalk of Dominick Street, on left side of the loading dock entrance. currently, they have left a sidewalk flag open to get access to tank manhole. Anthony mentioned that the tank is about 2 ft bg and it is 8 ft in diameter. the sidewalk is about 10 ft wide. Anthony mentioned that fill line is about 2 ft long before entering into the tank and supply/return lines runs aboveground inside the building. as there is

SAGE PLATE SERVICE CORP (Continued) **1000197993**

less than 2 ft long underground piping associated with tank, instead of doing isolation test, Anthony will collect soil samples through the tank bottom. based on available information, approved his plan. asked him to collect at least four soil samples via drilling through tank bottom, along centerline. asked to collect soil samples at least three ft below the tank bottom.3:52 PM:- sent email to Mr. Moyal. informed him that based on available information regarding tank location, the department agrees with the collection of soil samples through the tank bottom. asked him to collect soil samples at least three ft below the tank bottom, along the centerline. also asked him to renew PBS registration immediately.07/14/11-Hiralkumar Patel.11:07 AM:- spoke with Peter at Riteway. Peter mentioned that the tank was cleaned out on 06/14/11. today when they opened the manhole, they found oil and water inside the tank. as free product found with water and tank will be not be used again, they will drill some holes in tank at different locations to use tank as recovery pit.121 Varick Street Corp. **building owner**121 Varick Street, 7th FloorNew York, NY 10013Attn.: David MoyalCo-op PresidentPh. (212) 741-1070 Ext. 611 (917) 653-3196 (C)email: davidmoyal@mac.com3:39 PM:- sent letter to Mr. Moyal requiring weekly monitoring and product removal from tank, PBS registration renewal and soil/gw delineation including site-specific groundwater flow direction. letter emailed to Mr. Moyal and Anthony.07/22/11-Hiralkumar Patel.10:47 AM:- received call from Anthony. he is going to meet Mr. Moyal today to discuss about delineation. he mentioned that they had made some holes in tank to recover oil from surroundings. he is planning to drill some more holes in tank, which will happen on 07/25/11, for faster recovery.08/12/11-Hiralkumar Patel.9:45 AM:- spoke with Anthony and requested to schedule a tank inspection.4:25 PM:- spoke with David at Riteway and scheduled a site visit at 9:30 AM on 08/15/11.08/16/11-Hiralkumar Patel. yesterday's site visit was cancelled.08/29/11-Hiralkumar Patel.3:45 PM:- left message for Mr. Moyal.3:48 PM:- spoke with Pete at Riteway and scheduled a site visit at 9 AM on 09/07/11.09/06/11-Hiralkumar Patel. spoke with Pete and rescheduled a site visit at 9 AM on 09/09/11.09/09/11-Hiralkumar Patel.8:45 AM:- visited site. met riteway crew. found 3 inch water/oil mix in the tank. there is about 2-3 ft distance between the tank side and the building's northern foundation wall.9:00 AM:- left message for Pete.9:28 AM:- received call from Pete. asked him to send recovery data including dates of recovery, amount of liquid in tank (in inches) and amount recovered (in gal). also asked him to inspect northern foundation wall inside the basement for any seepage into building.10:03 AM:- received call from Anthony. he mentioned that he has inspected basement at begining. he inspected northern basement wall in area close to UST location. he observed minor oil stain at the junction of wall and floor. no product seepage found in basement. asked Anthony to send pics of impacted wall in basement. also informed him to talk to Mr. Moyal regarding complete delineation of groundwater contamination via installation of monitoring wells (at least 4 inch in diameter). Anthony mentioned that the new tank will be installed in area along the northern foundation wall, area where oil stain found.10:47 AM:- received email from David from Riteway including recovery data.date---------amount of liquid removed (gal)08/02/11----------40008/09/11----------80008/11/11----------10008/18/11----------80008/22/11----------10008/29/11----------4002:04 PM:- spoke with Mr. Moyal. informed him that the department requires groundwater

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delineation via installation of monitoring well as per letter dated 07/14/11. asked him to submit work schedule by end of 09/16/11. suggest him not to install new tank as may need some borings in area inside the basement. he will talk to Anthony regarding groundwater delineation.10/20/11-Hiralkumar Patel.11:56 AM:- spoke with Mr. Moyal and asked him regarding investigation work plan. he will talk to Anthony. informed him that the investigation work plan (for groundwater delineation) must be submitted by the end of 10/28/11.11:59 AM:- sent email to Mr. Moyal requiring to submit investigation work plan by 10/28/11. email copied to Anthony.10/31/11-Hiralkumar Patel. received email from David Chan (at 11:06 AM on 10/27/11) from Riteway including a work plan. Riteway proposed to install soil borings to delineate in horizontal direction and proposed to collect soil samples from clean zone at the edge of plume. there is no information about vertical delineation or collection of soil/groundwater samples from within the plume to see level of contamination. it also proposes to install six 4 inch wells. the work plan is missing scaled map with proposed boring/well locations.11/02/11-Hiralkumar Patel.2:47 PM:- left message for David at Riteway.2:54 PM:- sent email to David and asked him to submit revised work plan including following:- collection of soil and groundwater samples from borings where contamination found. This will provide horizontal profile of the contamination.- vertical delineation of contamination via installation of borings to a clean soil zone- scaled site map including tank location and proposed boring/well locationsasked David to submit revised work plan by 11/09/11. email copied to Anthony and Mr. Moyal.11/08/11-Hiralkumar Patel.12:31 PM:- received email from David including revised work plan including a site map. he proposes to install six 4 inch wells around the tank. as part of horizontal delineation, he proposes to collect clean samples to show limit of contamination, but does not include collection of soil/GW samples from boring showing contamination to know level of contamination vs distance from tank.11/09/11-Hiralkumar Patel.9:04 AM:- received email from David including a copy of violation issued by FDNY regarding improper closure of the tank. David asked for letter stating that the tank is not abandoned yet and owner is working on remediation.11/14/11-Hiralkumar Patel.10:25 AM:- spoke with David at Riteway. informed him that the department requires collection of soil and groundwater samples from boring, which shows contamination, to define horizontal area of contamination. suggest him to install monitoring wells at borings which shows free product, except borings too close to the tank as currently the tank is being used as recovery pit. informed him that if the owner wants to abandone the tank to comply with FDNY violation, then monitoring wells must be installed in borings near the tank which shows product/contamination. also asked him to contact FDNY regarding their violation order and regulation. asked him to submit revised work plan.11:06 AM:- sent email to David and asked him contact FDNY for their violation and regulation. informed him that the tank is not-in-service and asked him to submit required documents to update PBS record. also asked him to submit revised work plan.01/31/12-Hiralkumar Patel.4:07 PM:- left message for David.4:11 PM:- received call from David. asked him to submit an investigation work plan. he will talk to Anthony and will call back.02/01/12-Hiralkumar Patel.1:26 PM:- received email from David including a work plan that was submitted on 11/08/11, which was disapproved.02/02/12-Hiralkumar Patel.1:55 AM:- spoke with David.

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informed him that the department requires collection of two soil samples from each boring: one with highest PID and one deepest clean. he will submit revised work plan.02/03/12-Hiralkumar Patel.3:33 PM:- received email from David with revised work plan.02/07/12-Hiralkumar Patel.10:20 AM:- received email from David. they hired drilling contractor and will start work on 02/15/12.03/28/12-Hiralkumar Patel.10:35 AM:- received email from David with analyticals. he mentioned that contamination spreads approx. 25-30 ft to both the left and right side of tank. they haven't investigate under the street. abstract:- total of 10 soil borings (# 1 through 10) were installed: five on east and five on west side of the tank- boring #1 was installed to 10 ft bg where refusal encountered. found contamination at 5-10 ft depth- boring #2 was installed to 22 ft bg where refusal encountered. minor VOC contamination found in sample from 15-20 ft bg (max. 91 ppb of Isopropylbenzene) and 20-22 ft bg (max. 52 ppb of n-Butylbenzene)- boring #3 was installed to 27 ft bg where groundwater found. VOC contamination found at 20-25 ft bg, but less contamination found in sample at 25-27 ft bg (max 1,010 ppb Naphthalene). minor VOC contamination found in water sample (max 40 ppb Naphthalene)- boring #4 was installed to 25 ft bg where groundwater found. no contamination found in any soil sample. minor VOC contamination found in groundwater sample (max 40 ppb Naphthalene)- boring #5 was installed to 9 ft bg where refusal encountered. no contamination found- boring #6 was installed to 30 ft bg. found high contamination in soil from 5 to 25 ft depth. no contamination found in sample from 25-30 ft bg.- borings #7, #8 and #9 were installed to 3 ft bg where refusal encountered. no contaminatio found in samples from 0-3 ft depth in all three borings- boring #10 was installed to 30 ft bg. some VOC contamination found at 15-25 ft depth, but less contamination found below 25 ft depth (max 274 ppb Naphthalene). found minor contamination in groundwater sample (max 48 ppb Naphthalene)soil analyticals:----------hole 1-------hole 3-------hole 6-------hole 6-------hole 6 5-10 ft 20-25 ft 5-10 ft 10-15 ft 15-20 ftBenzene----------950----------113---------- 542*Toluene----------12, 400----------676--------1, 070Ethylbenzene----------8,220----------404--------1, 340--------4,580----------307Xylene----------48, 000--------1,195-------16,100-------25,600--------1,1611,2, 4-Trimethylbenzene----54,100--------4,260--------3,690-------65, 800--------4,5501,3,5-Trimethylbenzene----16, 400----------478--------1,280-------14,200--------1, 440Naphthalene----------202,000-------12,000------124, 000------197,000-------16,100----------hole 6-------hole 10 20-25 ft 15-20 ftBenzeneToluene----------427Ethylbenzene----------2, 000----------236Xylene----------6,340---------2,8921,2, 4-Trimethylbenzene----19,600---------8,5101,3, 5-Trimethylbenzene-----3,770---------2, 570Naphthalene----------49,300---------5,410* - higher MRLboring logs are missing.04/25/12-Hiralkumar Patel.10:45 AM:- spoke with Rob at Riteway regarding work plan for complete delineation of soil (under the street on north side of tank) and groundwater (installation of minimum of three wells and site-specific groundwater flow direction) contamination. he will talk to David and will call back.11:21 AM:- sent email to David and asked to submit boring logs

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and width of the sidewalk. asked him to call back.2:05 PM:- spoke with Mr. Moyal. asked him to complete delineation of contamination and to submit a remedial action plan. he will talk to Anthony.04/26/12-Hiralkumar Patel.1:31 PM:- received call from David. he mentioned that sidewalk is 12 ft wide. he also mentioned that detailed boring logs were not prepared (but soil samples were collected from every 5 ft interval from each boring). informed David that the department requires complete delineation of soil and groundwater contamination. as part of the complete delineation, borings must be installed on north and south side of the tank and minimum of three monitoring wells must be installed to define site-specific groundwater flow diretion. he will talk to Anthony.1:53 PM:- left message for Mr. Moyal. informed him that investigation report, as per the letter dated 07/14/11, is considered overdue. asked him to complete delineation and submit report.1:56 PM:- spoke with Anthony and discussed about complete delineation and remediation. he will talk to Mr. Moyal.05/02/12-Hiralkumar Patel. received email from David (at 5:06 PM on 05/01/12) inquiring for a letter for remediation requirements.1:06 PM:- sent email to David and asked him to refer to letter dated 07/14/11 which requires complete delineation of contamination.05/18/12-Hiralkumar Patel.9:28 AM:- received message from Richard Stumbo from Environmental Maintenance.2:55 PM:- spoke with Richard. he has been hired for required investigation/cleanup. he is planning to install three larger diameter wells for soil/groundwater sampling, site-specific groundwater flow direction and removal of any product observed in wells. he will send a letter, including project review and a work proposal, by next week.Richard StumboEnvironmental Maintenance Contractors, Inc.Ph. (914) 232-7355 (O) (914) 906-4155 (C)Fax (914) 232-7357email: rstumbo@enviromain.com06/20/12-Hiralkumar Patel.9:32 AM:- received email from Richard including an investigation work plan. he proposed to install three monitoring wells. will collect three soil samples from each boring: deepest dry, deepest clean and from highest PID area. will collect water samples from wells. the work plan missing following information:- tank location on the site map- proposed well size06/26/12-Hiralkumar Patel.12:44 PM:- sent email to Richard. asked him to submit a site map with tank and proposed well locations. also asked about proposed well size. informed him that the department requires complete delineation of contamination, which may require more than three borings/wells. email copied to Mr. Moyal.12:55 PM:- spoke with Allen at EMC. informed him about missing info in the work plan. he mentioned that they are planning to install 4 inch diameter wells. also, they finished GPR survey today to clear the well locations. he will submit revised work plan including missing info.06/27/12-Hiralkumar Patel. received email from Francis Ciriaco (fciriaco@enviromain.com) from EMC including a revised work plan. proposed to install three 4 inch wells to a minimum depth of approx. 25-35 ft bg.12:50 PM:- left message for Mr. Moyal.12:57 PM:- sent work plan approval letter to Mr. Moyal. asked him to submit investigation report by the end of 08/03/12. letter emailed to Mr. Moyal and Richard.06/29/12-Hiralkumar Patel.9:30 AM:- visited site. at site, noticed a scaffolding on sidewalk along Dominick Street, where the #6 oil UST is located. found mark-outs on north and south sidewalks of Dominick Street, where EMC proposed to install wells. met John Fayolle in Mr. Moyal's office. he mentioned that part of scaffolding will be removed to facilitate well installation. inspected basement. there is new 17,000 gal #2 oil

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square tank has been installed in vault with access. the tank is currently empty. the fill box and vent line for new tank are located along the northeast corner of the building, along Varick Street. asked Mr. Fayolle to secure the fill box of the new tank to prevent any mis-delivery. currently, the site is using gas heating system. after finding leak in the #6 oil UST, they installed two 275 gal ASTs in basement storage area, which is right across the wall from where the UST is located under the sidewalk. asked Mr. Fayolle to either register the tanks or removed it. found #6 oil seepage into the storage room. informed Mr. Fayolle that the Department requires soil/gw delineation inside the basement (south side of the tank, where no investigation done till now), as oil seepage found.Mr. Fayolle mentioned that there are total of 12 floors in building. first floor is the main entrance lobby. six floors are owned by Mr. Moyal and remaining five floors owned by different entities. asked Mr. Fayolle to provide contact info for all members of co-op.John Fayolleemail: john.landzone@gmail.com10:12 AM:- spoke with Allen at EMC and informed him about required soil/gw investigation within the basement.4:00 PM:- received message from Richard.07/03/12-Hiralkumar Patel.1:16 PM:- spoke with Richard. he inspected basement storage room today. he asked copy of soil boring results from Riteway. sent him copy of email that received on 03/28/12 from David Chan of Riteway. asked Richard to review sample results and boring logs and to submit a site map with proposed boring locations inside the basement. he mentioned that for well installation, they are waiting for DOT permit.07/26/12-Hiralkumar Patel. received email from Richard. he requested 30 day extension to submit report, as needed more time to get DOT permit. they got permit now.07/27/12-Hiralkumar Patel.2:24 PM:- left message for Richard. asked him to submit work schedule and site map with proposed boring locations inside the basement.07/30/12-Hiralkumar Patel.11:27 AM:- received message from Richard. they received DOT permit on 07/26/12. they will install wells on 08/02/12 and borings inside the basement on 08/06/12.2:56 PM:- received email from Francis Ciriaco from EMC including site map with proposed boring locations inside the basement.3:35 PM:- sent email to Richard approving 30 days extension to submit report. email copied to Mr. Moyal.08/15/12-Hiralkumar Patel.9:09 AM:- received call from Francis from EMC. they installed three wells outside and two borings inside the basement. Francis mentioned that product found around 10 ft below basement floor in interior soil borings. product also found in one of the outside monitoring well. they can not measure product thickness. asked Francis to collect water samples from remaining two wells where product was not observed. also asked to remove product from the well and tank (if any) on weekly basis until further notice. asked Francis to send site map with well and boring locations.08/21/12-Hiralkumar Patel.4:47 PM:- received email from Francis with site map. found product in well GW-1 located on west of former UST and boring B-2 located in basement, south of former UST. as per the site map, groundwater found at 19.75 ft in GW-1, 19.5 ft in GW-2 and 20 ft in GW-3 (across the street).08/29/12-Hiralkumar Patel.1:39 PM:- spoke with Francis. he mentioned that groundwater samples were collected and report has sent to his supervisor for review. Francis mentioned that they haven't removed product from the well yet as his supervisor is out of office till 09/03/12. asked Francis to call back next week with update.08/30/12-Hiralkumar Patel.4:44 PM:- received email from Francis including subsurface investigation report. abstract:-

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advanced three borings (SB-1 through SB-3) outside on sidewalk and converted to 4 inch monitoring wells (GW-1 through GW-3)- SB-1/GW-1 was installed on south sidewalk of Dominick St, west of the 5,000 gal UST- SB-2/GW-2 was installed on south sidewalk of Dominick St, east of the 5,000 gal UST- SB-3/GW-3 was installed on north sidewalk of Dominick St- SB-1/GW-1 and SB-2/GW-2 were advanced to a depth of approx. 30 ft bg and SB-3/GW-3 was advanced to a depth of approx. 28 ft bg- three soil samples collected from each sidewalk borings: one with highest PID, one from deepest dry zone and one from deepest clean zone- found petroleum product in well GW-1- two additional borings (B-1 and B-2) installed within basement, along the northern foundation wall of the building near the UST- boring B-1 was advanced to a depth of approx. 11 ft 8 inches below basement floor- boring B-2 was advanced to a depth of approx. 10 ft below basement floor- groundwater found at approx. 10 ft in B-1 and at 7 ft in B-2- two soil samples collected from basement borings: one at highest PID and one from clean zone- during installation of B-2, product found at a depth of approx. 10 ft below basementsoil
analyticals:
----------S-1-DD------B-1-HP------B-2-HPEthylbenze
ne----------1,
200---------380---------960Xylene----------5,
100-------1,570-------2,3901,2,4-Trimethylbenzene--------12,
000-------6,100-------5,0001,3,5-Trimethylbenzene---------1,
800-------2,200---------520Naphthalene----------28,
000-------5,600------37,000groundwater
analyticals:
----------GW-2--------GW-3Xylene----------
------18----------541,2,4-Trimethylbenzene---------23----------681,3,
5-Trimethylbenzene----------16Naphthalene----------
--67---------13009/07/12-Hiralkumar Patel.3:36 PM:- sent email to Francis and asked to submit revised report including follwing:- boring logs- well installation logs- sample depths in sample summary table- depth of basement floor from the street level- thickness of product in GW-1 and B-2- as per the report, product found in well GW-1. what method was used to create a contour maps using just two wells?- as per the report, groundwater was found at 7 ft in boring B-2, but product found at 10 ft below basement floor. how?email copied to Richard and Mr. Moyal.09/12/12-Hiralkumar Patel.12:54 PM:- received email from Rich including revised report. in email, Rich mentioned that product found in GW-1 appeared to be just sitting on top of the water (maybe an inch or two in thickness). he also mentioned that two borings in basement are in different rooms and there may be footing betweeen the two which may affect the flow of water. he also suspects difference in floor depth in two rooms, in reference to the street level. he has requested building drawing to find out exact depth of basement floor in each boring location in basement.in revised report, Rich mentioned that in basement boring B-2, petroleum product was present at depth of approx. 6 to 10 ft below basement flooring. as per onwer's representative, the basement flooring is approx. 12.5 ft below the street grade.boring logs submitted in the reviesed report are not acceptable as missing PID values and field observation data is not clear (used short form like drn, brn, VF, M-C, A, P, T etc. instead of full description). also, based on well logs, wells GW-1 and GW-2 (two wells installed along the building's wall) have screen below the water table (screen starts at 20 ft in both well, but water table found above 20 ft depth).Rich

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proposed for tank and associated contaminated soil removal and installation of oil recovery well in the basement.09/13/12-Hiralkumar Patel.5:24 PM:- spoke with Rich. asked him to submit revised boring logs including PID values. discussed about well screens below the soil/water interface in well GW-1 and GW-2. informed Rich that these wells need to be replaced with proper screen depth (at least 5 ft above and 5 ft below water table). Rich mentioned that now owner is planning to remove the tank. asked him to submit work schedule for tank removal. as tank will be removed and any spilled product can be recovered from tank excavation pit, asked Rich not to replace existing wells or install any new wells at this time.09/18/12-Hiralkumar Patel.2:34 PM:- spoke with Francis at EMC. he doesn't know about tank removal schedule. he will ask Rich to call back.2:45 PM:- received call from Allen. he inquired about regulation for well installation. asked him to refer to DER-10.10/03/12-Hiralkumar Patel.4:03 PM:- spoke with Rich. he mentioned that property owner is looking for price quotes for tank removal. also, they are working for NYC DOT permit for sidewalk work. Rich mentioned that property owner is planning to start tank removal work by 11/01/12, alongwith other construction project(s) in building. asked Rich to submit update in week. also asked to submit revised boring log as requested on 09/13/12.10/12/12-Hiralkumar Patel. received email from Francis (at 5:55 PM on 10/11/12) including a remedial action plan.10/16/12-Hiralkumar Patel. received email from Francis (at 11:12 AM on 10/15/12) including a health and safety plan.10/24/12-Hiralkumar Patel. the Health & Safety Plan includes a letter from Michael Gadaleta from M G Architects. after reviewing original construction drawings, Mr. Gadaleta recommends excavation to maximum depth of 12 ft below the elevation of the first floor. he mentioned that any excavation below grade will require shoring and bracing of the excavation.reviewed remedial action plan, submitted on 10/11/12. abstract:- proposed to remove the 5,000 gal UST and all accessible oil contaminated subsurface soil/fill material from within the UST pit- excavate to maximum depth of 12 ft bg- collect endpoint samples for SVOC analysis- proposed to apply bio-remedial product, only after approval by the Department less than ---------- proposed to install depressurization system and vapor barrier- proposed to install four (4) 6"-diameter recovery wells within building basement11:50 AM:- sent email to Francis and asked to submit revised logs for borings installed as part of investigation work done in Sep. 2012. email copied to Rich and Mr. Moyal.10/25/12-Hiralkumar Patel.12:21 PM:- received email form Francis including revised boring log for investigation done in Sep. 2012. reviewed boring logs:- found more than 50 ppm on PID from surface to 25 ft bg in S-1/GW-1, from surface to 25 ft bg in S-2/GW-2, from 4 ft to 21 ft bg in S-3/GW-3 (well across the street) and from 4 ft to 10 ft below basement floor in basement borings B-1 and B-2- found 148 ppm at 0-1 ft (in surface concrete) in S-1/GW-2 and 165 ppm at 0-1 ft (in surface concrete) in S-2/GW-2. how?- found PID readings in soil during installation of well S-3/GW-3, which is located across the street. why?10/26/12-Hiralkumar Patel.1:08 PM:- sent letter to Mr. Moyal, with partial approval for the remedial work plan dated 10/10/12. asked Mr. Moyal to submit tank removal report by the end of 02/28/13. letter emailed to Mr. Moyal, Mr. Fayolle, Rich and Francis.01/30/13-Hiralkumar Patel.11:23 AM:- received call from Rich. due to financial issues, the project hasn't begun yet. he mentioned that property owners have came to agreement last week and tank

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removal work will begin soon. he will call by next week with update. informed him that the tank removal report is still due on 02/28/13.11:29 AM:- spoke with Mr. Moyal. informed him that the tank removal report is due on 02/28/13. he will talk to Rich.02/13/13-Hiralkumar Patel.3:54 PM:- received call from Rich. he mentioned that property owners have hired tank removal contractor. the contractor has filed for permit and hoping to start work next week. Rich will call back with update.02/28/13-Hiralkumar Patel.4:36 PM:- received call from Rich. he mentioned that a contractor has filed for city permit today. Rich will send letter tomorrow with details regarding cause of delay and future schedule.05/28/13-Hiralkumar Patel.11:21 AM:- received call from Mr. Bayne, property owner's representative. he mentioned that they are waiting for excavation permit from NYC DOT/DOB. Mr. Bayne requested copy of DEC letter approving tank removal work plan, as such letter required by NYC DOT.Kay BaynePh. (718) 757-6546email: kbayne@integrated-companies.com11:31 AM:- sent email to Mr. Bayne including copy of letter dated 10/26/12.06/07/13-Hiralkumar Patel.10:54 AM:- received email from Mr. Bayne including copy of DOT/DOB permits. he mentioned that tank removal will begin soon.06/18/13-Hiralkumar Patel.10:41 AM:- received email from Allan requesting call back.2:22 PM:- spoke with Allan. he mentioned that crew started installing shoring around the proposed excavation area. he inquired about endpoint sidewall sample requirement. informed him that the department requires remediation of contamination which includes any soil contamination outside the shoring area also. asked him to call for site visit, once tank is out of ground and based on observations during the site visit, endpoint sample requirements can be discussed.06/20/13-Hiralkumar Patel.11:10 AM:- visited site. met Mr. Moyal and crew from EMC. crew started removing soil from around the tank. tank bottom found wrapped in concrete. due to large boulders in ground, shoring plates can not be installed to the proposed depth (approx. 12 ft bg) of excavation bottom. due to fiberoptic lines running right above the west end of the tank (towards loading dock), shoring was not possible in that area. crew mentioned that eastern half of the tank will be removed first and area will be backfilled before removing western half of the tank. as shoring does not go to proposed bottom of excavation, asked to collect endpoint sidewall soil samples for analysis. also asked to remove any product in the excavation prior to backfilling. due to presence of oil in tank today, informed Mr. Moyal that recovery wells are needed in tank location. strong petroleum odors noted in excavation. excavated soil was directly loaded on truck. PID monitoring station near loading dock entrance.1:18 PM:- spoke with Allen. informed him that as shoring plates does not go to bottom of excavation, asked him to collect endpoint sidewall samples for analysis. also asked him to remove any product from excavation, prior to backfilling. also informed him that the department requires at least two recovery wells in tank excavation area, one at each end, for groundwater monitoring and product removal (if present).1:48 PM:- sent email to Allen requiring collection of endpoint sidewall soil samples, removal of any product from excavation and installatin of minimum of two recovery wells in tank excavation area. email copied to Mr. Moyal and Richard.06/25/13-Hiralkumar Patel.10:35 AM:- visited site. met Francis from EMC. observed tank excavation pit. tank has been removed and crew installed two 4 inch monitoring wells through concrete pad located under former tank. crew mentioned that they cut

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hole in concrete pad and observed petroleum product on water. they installed well screen five ft below concrete pad. area around well screen is filled with #4 stone. EMC collected six endpoint samples: one sidewall soil sample from eastern sidewall, two sidewall soil samples from northern sidewall, one sidewall soil sample from western sidewall and two soil samples from area beneath the concrete pad. there was no samples taken from southern sidewall as it is building's foundation wall and no soil to sample. checked monitoring well () located in front of loading dock entrance. found approx. 3 inches of product in well.during inspection, crew mentioned that there will a ConEd vault installed in area between the two wells installed in tank excavation pit.also inspected storage room in basement. found new paint on walls. found signs of oil seepage from northern foundation wall, in area where tank was located on other side.based on available information, informed Mr. Moyal and Francis that the department strongly suggests installation of larger diameter (6 or 8 inch) wells in tank excavation pit for following reasons:- due to higher viscosity of #6 oil, product recovery may be difficult from 4 inch well- ConEd vault in tank excavation area will prevent any drilling needed in future to expedite remediation- an active remediation system (e.g. skimmer) can be installed within larger diameter wellsMr. Moyal agreed with such suggestion. he will discuss with Richard at EMC.11:21 AM:- spoke with Allen at EMC and informed him about discussion with Mr. Moyal and Francis regarding installation of larger diameter recovery wells in tank excavation pit. informed him that excavation must be backfilled, if needed for safety reason, even before recovery wells installed. Allen inquired about application of ORC in tank excavation prior to backfilling. informed him that groundwater delineation is not completed yet as such the Department does not approve such application.2:37 PM:- sent email to Mr. Moyal. suggested him to install larger diameter wells in excavation pit. also informed him that the department does not require to keep excavation open and it must be backfilled immediately, if needed for any safety reasons. email copied to Allen.06/26/13-Hiralkumar Patel. discussed with DEC Austin, DEC Vought and DEC Kann. due to free-phase product on groundwater, case transferred to remediation.1:29 PM:- sent email to Mr. Moyal informing case transfer to DEC Kann. email copied to Allen and Ms. Kann.**refer to spill #s 1104069 and 1104073 also.**6/27/13- J.kann - visited site met with MR. Moyal and Allen. Observed the tank excavation. Stained soils noted in south east corner of excavation (see photo). A proposal for remediation will be submitted to the Department in about a week.7/29/13: J.Kann - sent and email to Richard Stumbo requesting a status update.10/29/13: J.Kann - visited the site. wells have been installed along the sidewalk, the tank excavation has been filled with clean fill. Two large diameter wells were installed in the basement of the building (through use of a soil vac truck). Product has been vacced out of the recovery wells (basement and sidewalk). Tuesday October 22nd product removal began. Consultant will evaluate how often the wells should be vacced. A report from them including tank removal information and well installation data must be submitted by November 22.1/28/14: J.Kann - Letter report on UST removal and product removal submitted on December 9, 2013. Additional delineation needed. Product removal should continue. Email sent today and edoced.3/26/14: J.Kann - recvd a call from Alan of EMC. They are waiting on info from the property owner before moving forward.1/5/15: J.Kann - email sent today to richard stumbo requiring the comments from 1/28/14 be addressed and

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submitted to the Department by 1/23/15, in addition to a description of any remedial or investigative work performed in 2014.
Remarks: while attempting to abandon tank loss was discovered. clean up pending
Not reported

Material:
Site ID: 451698
Operable Unit ID: 1201881
Operable Unit: 01
Material ID: 2198445
Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Not reported
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 451698
Spill Tank Test: 2490778
Tank Number: Not reported
Tank Size: 5500
Test Method: 00
Leak Rate: 0
Gross Fail: Not reported
Modified By: HRPATEL
Last Modified: 7/14/2011
Test Method: Unknown

Facility ID: 1104069
Facility Type: ER
DER Facility ID: 406212
Site ID: 451657
DEC Region: 2
Spill Date: 7/13/2011
Spill Number/Closed Date: 1104069 / 12/11/2012
Spill Cause: Equipment Failure
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 3101
Investigator: HRPATEL
Referred To: Not reported
Reported to Dept: 7/13/2011
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0

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Date Entered In Computer:	7/13/2011
Spill Record Last Update:	12/11/2012
Spiller Name:	DAVID MOYAL
Spiller Company:	121 VARICK ST CORP
Spiller Address:	121 VARICK ST
Spiller City,St,Zip:	NEW YORK, NY
Spiller Company:	999
Contact Name:	DAVID MOYAL
Contact Phone:	Not reported
DEC Memo:	07/12/11-Hiralkumar Patel. DEC Sangesland received complaint on 07/11/11 from Ben Lim from Tony Chi Designer. Ben mentioned that they occuply 5th floor of the building and an unknown chemical is dripping from ceiling in the western end.4:00 PM:- visited site. met with Tony Chi at Tony Chi Designer. inspected area where unknown liquid dripping from ceiling. Mr. Chi mentioned that right above the dripping location is a printing machine which is owned by 1-800-Postcards. Mr. Chi mentioned that liquid started dripping in July 2010 and since then it drips from more and more locations. found multiple spots where liquid drips. found black liquid (which could be mixture of ink and other chemical) in front area and reddish liquid (looks like hydraulic oil) in back along the westernmost partition wall.also inspected area on 6th floor where a printing machine is located. met with David Moayl, owner of the printing business. Mr. Moyal is also the president of the co-op board. Mr. Moyal mentioned that the building is an industrial building for more than 80 years and printing business on 6th floor is in operation since 1982. printing machine, which might be the source of leak, was turned off about three weeks ago. Mr. Moyal is waiting for technician to arrive from out of country due to machine's complexity. meanwhile Mr. Moyal has hired Centex Builders Inc. for remediation. met Dennis Mihalatos from Centex Builders. Mr. Mihalatos mentioned that they have purchased some drip pans and are installing under the machine to capture any more leak from the machine.visited impacted area again with Mr. Moyal and Mr. Mihalatos. based on observations during the site visit, asked Mr. Moyal for following:- immediate containment of product dripping in 5th floor- ventilation setup in 5th floor- collection and fingerprint analysis of product samples (samples must be collected from both areas: black liquid dripping in front and reddish liquid dripping in back)Mr. Mihalatos mentioned that they will drill some holes in ceiling to release product captured inside the concrete and will put plastic tarp on impacted areas in ceiling to collect product in one location instead of dripping at multiple locations.informed Mr. Moyal that the leaking machine must not be turned on until the leak is fixed.as no spill reported yet, asked Mr. Moyal and Mr. Chi to report a spill.Tonychi and Associate **impacted party**121 Varick Street, 5th FloorNew York, NY 10013Attn. Tony ChiPh. (212) 868-8686Fax (212) 465-1098email: t.chi@tonichi.comJames EmsworthTonichi and AssociatesPh. (212) 868-8686email: j.emsworth@tonychi.comCircle Press Inc. **owner of printing business**121 Varick Street, 7th FloorNew York, NY 10013Attn.: David MoyalPresidentPh. (212) 741-1070 Ext. 611 (917) 653-3196 (C)email: davidmoyal@mac.com david@1800postcards.com121 Varick Street Corp. **building owner**121 Varick StreetNew York, NY 10013Attn.: David MoyalCo-op PresidentPh. (212) 741-1070 Ext. 611 (917) 653-3196 (C)email: davidmoyal@mac.comDennis Mihalatos **contractor hired by Mr. Moyal**Centex Builders, Inc.Ph. (212) 810-2190 (917) 502-2909 (C)email: dennis@centexbuildersinc.com07/13/11-Hiralkumar Patel. two

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spills reported. one by Mr. Moyal (subject spill) and another by Mr. Chi (spill #: 1104073).alternate addresses: 119-123 Varick Street, 22-30 Dominick Streetno other spills reported at the site.PBS #: 2-480959. as per PBS record, the site has one 5,500 gal #6 oil UST. the registration expired on 07/09/2010.11:50 AM:- received email from Mr. Moyal stating that work has started to contain the product on 5th floor.2:44 PM:- received email from Mr. Moyal including a pic of collection system installed underneath the ceiling of 5th floor.2:45 PM:- spoke with Mr. Moyal regarding PBS violation. Mr. Moyal mentioned that about two months ago, they found water in boiler. as there could be a leak in system somewhere, they hired Riteway Tank to abandon the 5,000 gal UST and to install a new #2 oil AST inside the building. asked Mr. Moyal to renew the registration immediately.3:17 PM:- spoke with Anthony at Riteway. he mentioned that there was sidewalk work done about couple of months ago and he suspect a fill line got damaged during work. tank is located under the sidewalk along Dominick Street. Anthony mentioned that the tank is about 2 ft bg and it is 8 ft in diameter. the sidewalk is about 10 ft wide. Anthony mentioned that fill line is about 2 ft long before entering into the tank and supply/return lines runs aboveground inside the building. as there is less than 2 ft long underground piping associated with tank, instead of doing isolation test, Anthony will collect soil samples through the tank bottom. based on available information, approved his plan. asked him to collect at least four soil samples via drilling through tank bottom, along centerline. asked to collect soil samples at least three ft below the tank bottom.3:52 PM:- sent email to Mr. Moyal. informed him that based on available information regarding tank location, the department agrees with the collection of soil samples through the tank bottom. asked him to collect soil samples at least three ft below the tank bottom, along the centerline. asked him to submit MSDS for chemicals (including ink) used in printing machine at the site. also asked him to renew PBS registration immediately.07/14/11-Hiralkumar Patel. received email from Mr. Moyal (at 10:56 PM on 07/13/11) including MSDS for Blanket and Roller Wash.another spill (# 1104109) reported at the site due to findings of contamination around the #6 oil tank.10:23 AM:- received email from Mr. Moyal including copy of letter (dated 07/13/11) sent by Mr. Chi's attorney to co-op attorney and a copy of email (dated 07/12/10) sent by Tammy Chou (of Tony Chi) to Mr. Moyal. Mr. Moyal mentioned that Mr. Chi's attorney noted that the Department determined that oil leaking into 5th floor due to improper maintenance of the cement slab.as per the email dated 07/12/10, leak was observed on 07/12/10 and Mr. Moyal was informed about the leak.10:46 AM:- spoke with Mr. Chi. informed him that the Department has only determined that liquid is coming from 6th floor and the Department has no authority regarding slab's structural condition.10:50 AM:- spoke with Mr. Moyal and informed him about discussion with Mr. Chi. Mr. Moyal mentioned that two sets of the recovery pans have been installed under the 5th floor ceiling and a third set will be installed today. also discussed about monitoring recovery system. he mentioned that as Anthony from Riteway will be on-site working for new oil tank and addressing contamination found around #6 oil UST, Anthony will monitor the recovery system on 5th floor. informed Mr. Moyal to record daily recovery to determine when to remove recovery system and seal the ceiling.11:07 AM:- spoke with Peter at Riteway who reported new spill (1104109). Peter mentioned that the tank was cleaned out couple of days ago and when they opened

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the manhole today, they found oil and water inside the tank. as free product found with water and tank will be abandoned in future, they will drill some holes in tank at different locations to use tank as recovery pit.12:37 PM:- sent email to Mr. Moyal requiring daily monitoring of recovery system installed on 5th floor. asked him to submit monitoring report (including date of monitoring, amount recovered during monitoring and amount recovered to date) by 08/01/11. informed him that after reviewing the recovery record, the department may reduce frequency for site visit. email copied to Anthony, Mr. Chi and Brooks Bander (Mr. Chi's attorney).Brooks Banker **attorney of impacted party**Ph. (212) 972-0534Fax (212) 972-0620email: b.banker@tonychi.com12:54 PM:- sent email to Mr. Moyal inquiring about status of fingerpint analysis of product collected on 5th floor. also informed him that a disposal manifest must be submitted to confirm proper disposal of liquid collected on 5th floor. email copied to Dennis at Centex.07/15/11-Hiralkumar Patel.1:34 PM:- received more pics of recovery system installed on 5th floor.08/03/11-Hiralkumar Patel.2:34 PM:- left message for Anthony.2:43 PM:- received call from Anthony. he mentioned that machine on 6th floor is being fixed. as per Mr. Moyal, no more oil drips into 5th floor. Anthony will visit site soon to confirm that and if no more oil dripping observed, then he will propose for sealing of 5th floor ceiling. he also mentioned that they are visiting site every week to pump out oily water from the UST under the sidewalk.08/29/11-Hiralkumar Patel. another spill reported for ink spill incident (spill #: 1106266).3:45 PM:- left message for Mr. Moyal.3:48 PM:- spoke with Pete at Riteway and scheduled a site visit at 9 AM on 09/07/11. Pete doesn't know anything about more ink spill on 5th floor.3:57 PM:- spoke with Ivy at Mr. Chi's office. she mentioned that ink is dripping from area out of the recovery pan. informed her about scheduled site visit on 09/07/11.4:02 PM:- spoke with Anthony. he mentioned that they were on-site this morning to remove oil from underground oil tank. during this, tenant on 5th floor braught a 5 gal bucket full of chemical that dripped from 6th floor. Anthony gave empty bucket to tenant to install. Anthony did not inspect the area himself. he mentioned that there was rain water on every floor after hurricane Irene over the weekend. asked Anthony to inspect the site as tenant complained about more spill from ceiling. asked Anthony to submit sample for fingerprint analysis.08/30/11-Hiralkumar Patel.9:45 AM:- visited site. inspected 5th floor ceiling. found few drops of liquid dripping in recovery pan. met Mr. Chi. Mr. Chi mentioned that Riteway changed the recovery bucket and put new bucket. found clear liquid dripping into bucket and bucket was 1/3rd full with green liquid. Mr. Chi mentioned that there was overflow from the bucket after storm over the weekend (harricane Irene). Mr. Chi mentioned that 2-3 buckets were removed from the site.left message for Mr. Moyal as he was not in office.10:43 AM:- received call from Mr. Moyal. asked him to submit copy of machine repair work to confirm no more leak from the machine. he mentioned that rain water entered onto 6th floor (through windows) which end up in 5th floor through crack in floor. asked him to monitor recovery system daily and change bucket, if needed. also asked him to discuss with Anthony about flushing remaining liquid from the concrete slab.11:46 AM:- received call from Anthony. he will visit site today. he mentioned that they have removed only one bucket from the site since spill was reported.1:59 PM:- spoke with Mr. Moyal about number of buckets removed from the 5th floor. he mentioned that

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Riteway removed one bucket yesterday and that is all they removed since recovery pans were installed. he also mentioned that rain water flooded 7th floor and water dripped onto 6th floor (on printing machines) and that water got into 5th floor.09/01/11-Hiralkumar Patel.2:25 PM:- received email from Mr. Moyal including record for leak repair.09/09/11-Hiralkumar Patel.8:45 AM:- visited site. inspected 5th floor ceiling. found small amount of liquid dripping into bucket.2:04 PM:- spoke with Mr. Moyal. he mentioned that Mr. Chi refused access to Riteway multiple times.2:18 PM:- spoke with Mr. Chi regarding access to recover buckets. he mentioned that he allowed contractor to remove two buckets earlier, but he hasn't seen disposal manifests for those two buckets. Mr. Chi is affraid that liquid in those buckets are being dumped in drain so on his attorney's request, he is storing buckets in his office. asked Mr. Chi to check with FDNY and any other agency to make sure that they have proper permit to store such unknown chemical/liquid. Mr. Chi requested name of the contractor hired by Mr. Moyal. gave Riteway's information to Mr. Chi and asked him to contact Anthony once the bucket is full.2:29 PM:- spoke with Anthony. he mentioned that up until now he has collected only liquid samples for analysis. he hasn't removed any buckets from the site yet. informed him that Mr. Chi will call his office, once the bucket is full and they have to replace it no later than next day. also informed him that two buckets are almost full at this time. Anthony will send person today to collect buckets.2:37 PM:- spoke with Mr. Chi and informed him that person from Riteway will come to collect buckets today. he mentioned that two buckets were removed previously by Mr. Moyal's contractor (doesn't know who). Mr. Chi has record for previously removed buckets. as different person comes everytime, he was advised by his attorney to store buckets on-site. but now he will talk to Anthony and after confirming that person is from Riteway, he will release those buckets.2:45 PM:- left message for Mr. Moyal.4:25 PM:- spoke with Mr. Moyal and asked him about two buckets removed by his crew. he mentioned that they gave buckets to Riteway crew. he will talk to Anthony. informed him that Mr. Chi agreed to provide full access to only Riteway crew.4:38 PM:- received email from Mr. Chi. he mentioned that two buckets, full of leaking fluid, were removed. one bucket was removed on 07/13/11 and another was removed on 08/29/11.09/13/11-Hiralkumar Patel. received email from Mr. Moyal (at 12:23 PM on 09/12/11). he mentioned that two buckets were removed from site by Riteway.12:07 PM:- received email from James. he mentioned that Riteway was informed on 09/09/11 that two buckets were full of liquid, but they have not responded yet to replace collection buckets.12:42 PM:- spoke with Pete at Riteway. he has spoke with James at Riteway. Pete mentioned that they have put 55 gal drum in the basement and will empty buckets into drum.12:56 PM:- spoke with James. he confirm speaking with Pete. he was told that Riteway will empty buckets into drum in basement.09/14/11-Hiralkumar Patel. received email from James stating that the bucket on 5th floor was emptied into larger drum by Riteway.1:29 PM:- received email from David from Riteway including result of liquid sample collected from 5th floor. no VOCs or SVOCs found in sample. found corrosivity (5.07 pH) and reactivity (cyanide reactivity: 7 ppm, sulfide reactivity: 12 ppm).09/20/11-Hiralkumar Patel.4:27 PM:- received copy of email that Mr. Moyal sent to his attorney. Mr. Moyal's attorney received email from Mr. Chi's attorney complaining about disapparence of 58 gal drum from basement which was stored by Riteway to empty out small buckets from 5th floor. Mr. Moyal mentioned that he had no knowledge about

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having drum stored in basement. Mr. Chi's attorney claimed that the drums stored in basement was in control of DEC.Marcia E. Fokas, Esq.Ph. (212) 732-9867Fax (212) 732-2953email: mefokas@att.net4:35 PM:- spoke with Mr. Moyal and informed him that the Department has not hired any contractor and cleanup is being done by his contractor. informed him that on 09/13/11, Pete from Riteway mentioned that a 55 gal drum was stored in basement so small buckets from 5th floor can be emptied into drum so they don't have to transfer small buckets to their facility every time. Mr. Moyal will informed his attorney.during conversation, Mr. Moyal proposed to expedite the cleanup by opening larger area and then sealing the entire impacted ceiling. asked him to submit a work plan for review.09/21/11-Hiralkumar Patel.2:25 PM:- received copy of email that was sent from Mr. Moyal to his attorney, Ms. Fokas. Mr. Moyal met Anthony at the site. Mr. Moyal mentioned that the drum was relocated to 5th floor by Riteway as they were afraid to leave it in the basement due to heavy construction in basement. Anthony verified that drum was on 5th floor.09/23/11-Hiralkumar Patel. received letter from Mr. Chi summarizing activity regarding drum installed by Riteway.10/12/11-Hiralkumar Patel. received email from Mr. Moyal (at 11:19 AM on 10/03/11) including letter from CEC, Inc. CEC inspected site and recommeded method to seal the leak on 5th floor.10/20/11-Hiralkumar Patel.11:47 AM:- sent email to Mr. Moyal. informed him that the letter from CEC, Inc. only contains recommendations based on their observations and it does not include contractor's info who will going to perform recommended work, if accepted. asked him to submit formal work plan from contractor, including work method.10/31/11-Hiralkumar Patel. received email from David Chan (at 10:27 AM on 10/28/11) from Riteway including work proposal from Gotham Waterproofing (John- Cell 201-825 8540). it is a work proposal to building management and does not indicate whether its been approved or not.11/03/11-Hiralkumar Patel.2:32 PM:- spoke with receptionist at Gotham Waterproofing (201-436-7900) who mentioned that they are waiting for approval from client.2:35 PM:- spoke with Mr. Moyal. he mentioned that they already approved proposal from Gotham, but Mr. Chi wanted some changes. Mr. Moyal is waiting for changes and will start work. asked Mr. Moyal to send complete signed copy of the proposal.01/30/12-Hiralkumar Patel.3:02 PM:- received message from David inquiring about how to dispose drum full of liquid, seeped from sixth floor.01/31/12-Hiralkumar Patel.4:07 PM:- left message for David.4:11 PM:- received call from David. asked him to contact disposal facility for proper disposal of liquid contents in drum. also asked him to submit update regarding sealing of fifth floor ceiling.04/25/12-Hiralkumar Patel.2:05 PM:- spoke with Mr. Moyal and asked to submit documents confirming cleanup of chemical spill and sealing of the fifth floor ceiling.06/27/12-Hiralkumar Patel.12:44 PM:- spoke with Tammy at Toni Chi's office. she mentioned that there is still some seepage from 6th floor.12:50 PM:- left message for Mr. Moyal.06/29/12-Hiralkumar Patel.9:30 AM:- visited site. met James in Mr. Chi's office. he mentioned that liquid is still dripping from the ceiling. inspected 5th floor ceiling. found liquid drop on duct along the ceiling. they have put a cardboard box on the duct to capture any drops. took some pics using camera from Mr. Chi's office and asked James to email those pics.went to Mr. Moyal's office. met John Fayolle. informed him about leak in 5th floor. also informed him that the department has not received a report detailing work done to prevent any leaks.

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informed Mr. Fayolle that the report, for work done till now, must be submitted immediately. also asked him to send contractor to 5th floor, by the end of today, to inspect and contain any liquid that is dripping on 5th floor. spoke with Vincent Repaci from Mr. Fayolle's office and informed him about the observation.Vincent RepaciJRM Construction ManagementPh. (646) 761-7155informed Mr. Fayolle that the case may be referred to NYC DOB and NYC DOH for review.07/02/12-Hiralkumar Patel. received email from James (at 5:58 PM on 06/29/12) including pics collected during site visit on 06/29/12.12:57 PM:- received email from Mr. Fayolle including document for 5th floor ceiling repair.07/09/12-Hiralkumar Patel. discussed with DEC Austin. as liquid dripping on 5th floor is not petroleum and it is not impacting soil or groundwater, he asked to refer case to OSHA.10:42 AM:- spoke with Mr. Cross at OSHA. informed him about the case. he asked to forward him available information and he will discuss with his supervisor.Rey CrossOSHAPh. (212) 337-2913email: cross.rey@dol.gov10:48 AM:- sent email to Mr. Cross including spill note, MSDS sheets, liquid sample results and pics.07/11/12-Hiralkumar Patel. received email from Mr. Cross (at 8:03 AM on 07/10/12). he received documents and currently reviewing it.07/31/12-Hiralkumar Patel.9:46 AM:- sent email to (and left message for) Mr. Cross inquiring updates.08/02/12-Hiralkumar Patel.7:29 AM:- received email from Mr. Cross. he has forwarded documents to his supervisor and waiting for response.08/17/12-Hiralkumar Patel.3:35 PM:- sent email to Mr. Cross inquiring updates.09/07/12-Hiralkumar Patel.7:59 AM:- received email from Mr. Cross. OSHA opened an inspection at the site yesterday and will sent report copy in few days.09/28/12-Hiralkumar Patel. received letter from Kay Gee from OSHA, including copy of Citation and Notification of Penalty. OSHA inspected the site on 09/06/12. OSHA issued citation as Circle Press Inc. did not develop a written hazard communication program for workers operating presses who are exposed to chemicals found in press ink and oil. it also mentioned that: "because abatement of this violation is already documented in the casefile, the employer need not submit certification nor documentation of abatement of this violation as normally required by 29 CFR 190.19." no penalties were issued.12/11/12-Hiralkumar Patel. after discussing with DEC Austin, case closed.

Remarks: Reporting an on going spill was discovered.dec Kumar Patel has been advised.

Material:

Site ID:	451657
Operable Unit ID:	1201841
Operable Unit:	01
Material ID:	2198404
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AC317 **121 VARICK STREET CORP** **NY UST** **U000411298**
ENE **121 VARICK STREET** **NY HIST UST** **N/A**
1/8-1/4 **NEW YORK, NY 10013** **NY AST**
0.229 mi.
1209 ft. **Site 3 of 9 in cluster AC**

Relative:
Higher

Actual:
17 ft.

UST:

Id/Status:	2-480959 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	07/09/2015
UTM X:	583980.63601000002
UTM Y:	4508628.7757099997
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	21483
Affiliation Type:	Facility Owner
Company Name:	121 VARICK STREET CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	121 VARICK ST - 4TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 741-1070
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Site Id:	21483
Affiliation Type:	Mail Contact
Company Name:	121 VARICK STREET CORP
Contact Type:	Not reported
Contact Name:	DAVID MOYAL
Address1:	121 VARICK STREET
Address2:	4TH FLOOR
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 741-1070
EMail:	DAVID@1800POSTCARDS.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Site Id:	21483
Affiliation Type:	On-Site Operator
Company Name:	121 VARICK STREET CORP
Contact Type:	Not reported
Contact Name:	EDWARD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

121 VARICK STREET CORP (Continued) **U000411298**

Zip Code:	Not reported
Country Code:	001
Phone:	(212) 255-0278
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Site Id:	21483
Affiliation Type:	Emergency Contact
Company Name:	121 VARICK STREET CORP.
Contact Type:	Not reported
Contact Name:	EDWARD LOPEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 255-0278
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Tank Info:

Tank Number:	1
Tank ID:	39110
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	5500
Install Date:	01/03/1928
Date Tank Closed:	06/20/2013
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	NRLOMBAR
Last Modified:	07/08/2013

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J03 - Dispenser - Gravity
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
G07 - Tank Secondary Containment - Excavation Liner
I00 - Overfill - None
L00 - Piping Leak Detection - None
B00 - Tank External Protection - None

121 VARICK STREET CORP (Continued) **U000411298**

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

HIST UST:

PBS Number:	2-480959
SPDES Number:	Not reported
Emergency Contact:	MOSES TEPFER
Emergency Telephone:	(718) 871-2250
Operator:	MOSES TEPFER
Operator Telephone:	(718) 871-2250
Owner Name:	121 VARICK STREET CORP
Owner Address:	4223 18TH AVENUE
Owner City,St,Zip:	BROOKLYN, NY 11218
Owner Telephone:	(718) 871-2250
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	121 VARICK STREET CORP
Mailing Address:	4223 18TH AVENUE
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BROOKLYN, NY 11218
Mailing Contact:	Not reported
Mailing Telephone:	(718) 871-2250
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	121 VARICK STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	06/21/2000
Expiration Date:	07/09/2005
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5500
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	5500

121 VARICK STREET CORP (Continued) **U000411298**

Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/o access)
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Submersible
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-480959
Program Type:	PBS
UTM X:	583980.63601000002
UTM Y:	4508628.7757099997
Expiration Date:	07/09/2015
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	21483
Affiliation Type:	Facility Owner
Company Name:	121 VARICK STREET CORP.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	121 VARICK ST - 4TH FLOOR
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 741-1070
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Site Id:	21483
Affiliation Type:	Mail Contact
Company Name:	121 VARICK STREET CORP
Contact Type:	Not reported
Contact Name:	DAVID MOYAL
Address1:	121 VARICK STREET
Address2:	4TH FLOOR

121 VARICK STREET CORP (Continued) **U000411298**

City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(212) 741-1070
EMail:	DAVID@1800POSTCARDS.COM
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Site Id:	21483
Affiliation Type:	On-Site Operator
Company Name:	121 VARICK STREET CORP
Contact Type:	Not reported
Contact Name:	EDWARD
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 255-0278
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Site Id:	21483
Affiliation Type:	Emergency Contact
Company Name:	121 VARICK STREET CORP.
Contact Type:	Not reported
Contact Name:	EDWARD LOPEZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(212) 255-0278
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	11/14/2013

Tank Info:

Tank Number:	002
Tank Id:	250245

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
L09 - Piping Leak Detection - Exempt Suction Piping
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None

121 VARICK STREET CORP (Continued) **U000411298**

K01 - Spill Prevention - Catch Basin
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
C01 - Pipe Location - Aboveground
E00 - Piping Secondary Containment - None
J04 - Dispenser - On Site Heating System (Suction)

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/23/2013
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	NRLOMBAR
Last Modified:	11/14/2013
Material Name:	#2 Fuel Oil (On-Site Consumption)

AC318 **SAGE PLATE SERVICE CORPORATION** **RCRA NonGen / NLR** **1000197995**
ENE **121 VARICK ST** **NYD990772659**
1/8-1/4 **NEW YORK, NY 10013**
0.229 mi.
1209 ft. **Site 4 of 9 in cluster AC**

Relative:
Higher

Actual:
17 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	SAGE PLATE SERVICE CORPORATION
Facility address:	121 VARICK ST NEW YORK, NY 10013
EPA ID:	NYD990772659
Mailing address:	VARICK ST NEW YORK, NY 10013
Contact:	Not reported
Contact address:	VARICK ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	SAGE PLATE SERVICE CORPORATION
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	(212) 555-1212
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	SAGE PLATE SERVICE CORPORATION
Owner/operator address:	NOT REQUIRED

SAGE PLATE SERVICE CORPORATION (Continued) **1000197995**

NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: SAGE PLATE SERVICE CORPORATION
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: SAGE PLATE SERVICE CORPORATION
Classification: Not a generator, verified

Date form received by agency: 12/09/1980
Site name: SAGE PLATE SERVICE CORPORATION
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: F002
. Waste name: 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 SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT

SAGE PLATE SERVICE CORPORATION (Continued) **1000197995**

MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED 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.

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO- (OR) TETRACHLOROETHYLENE

Violation Status: No violations found

AB319
NE
1/8-1/4
0.232 mi.
1224 ft.

PARISH OF TRINITY CHURCH
304 HUDSON ST 7TH FLOOR
NEW YORK, NY 10013

Site 3 of 7 in cluster AB

RCRA NonGen / NLR **1000224078**
FINDS **NYD012016630**
NY MANIFEST
NY E DESIGNATION

Relative:
Higher

Actual:
15 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PARISH OF TRINITY CHURCH
Facility address:	304 HUDSON ST 7TH FLOOR NEW YORK, NY 100131015
EPA ID:	NYD012016630
Mailing address:	HUDSON ST 7TH FLOOR NEW YORK, NY 10013
Contact:	Not reported
Contact address:	HUDSON ST 7TH FLOOR NEW YORK, NY 10013
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Private
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BOB OUTLER
Owner/operator address:	304 HUDSON ST 7TH FLOOR NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 255-0829
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BOB OUTLER
Owner/operator address:	304 HUDSON ST 7TH FLOOR NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 255-0829
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: PARISH OF TRINITY CHURCH
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: PARISH OF TRINITY CHURCH
Classification: Not a generator, verified

Date form received by agency: 12/11/1996
Site name: PARISH OF TRINITY CHURCH
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Date form received by agency: 03/14/1994
Site name: FLEETWOOD LITHO & LETTER CORP
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/04/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

FINDS:

Registry ID: 110004343906

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and

PARISH OF TRINITY CHURCH (Continued) **1000224078**

corrective action activities required under RCRA.

NY MANIFEST:

EPA ID:	NYD012016630
Country:	USA
Location Address 1:	304 HUDSON STREET
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	LARISH OF TRINITY CHURCH
Contact:	JOHN LAICO
Address:	304 HUDSON STREET
City/State/Zip:	NEW YORK, NY 10013
Country:	USA
Phone:	212-924-4422

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/27/2011
Trans1 Recv Date:	07/27/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/27/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	30.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	007744796JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Document ID:	NJA1198198
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	07/10/1991
Trans1 Recv Date:	07/10/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/10/1991
Part A Recv Date:	/ /
Part B Recv Date:	08/08/1991
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F005 - UNKNOWN
Quantity:	00718
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NJA0346221
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	NJDEPS103
Generator Ship Date:	07/19/1988
Trans1 Recv Date:	07/19/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	07/19/1988
Part A Recv Date:	07/22/1988
Part B Recv Date:	07/27/1988
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	NJD000813477
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	100
Year:	1988

Document ID:	NJA0455593
Manifest Status:	Completed copy
Trans1 State ID:	NJDEPS103
Trans2 State ID:	Not reported
Generator Ship Date:	12/01/1988
Trans1 Recv Date:	12/01/1988
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/01/1988
Part A Recv Date:	12/06/1988

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Part B Recv Date: 12/09/1988
Generator EPA ID: NYD012016630
Trans1 EPA ID: NJD000813477
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 00385
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1988

Document ID: NJA0923411
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 32882
Trans2 State ID: Not reported
Generator Ship Date: 10/09/1990
Trans1 Recv Date: 10/09/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 10/11/1990
Part A Recv Date: 02/11/1991
Part B Recv Date: 10/25/1990
Generator EPA ID: NYD012016630
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 00783
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

Document ID: NJA0721846
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 10/27/1989
Trans1 Recv Date: 10/27/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 10/27/1989
Part A Recv Date: 11/03/1989
Part B Recv Date: 11/09/1989
Generator EPA ID: NYD012016630
Trans1 EPA ID: NJD000813477
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 00385
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 007

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1989

Document ID: NJA0529483
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 03/10/1989
Trans1 Recv Date: 03/10/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 03/10/1989
Part A Recv Date: 03/16/1989
Part B Recv Date: 03/20/1989
Generator EPA ID: NYD012016630
Trans1 EPA ID: NJD000813477
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 00330
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

Document ID: NJA1460513
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 12/22/1992
Trans1 Recv Date: 12/22/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 12/23/1992
Part A Recv Date: / /
Part B Recv Date: 01/08/1993
Generator EPA ID: NYD012016630
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F003 - UNKNOWN
Quantity: 02350
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1992

Document ID: NJA1196833
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Trans2 State ID: Not reported
Generator Ship Date: 05/27/1992
Trans1 Recv Date: 05/27/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 06/03/1992
Part A Recv Date: / /
Part B Recv Date: 06/19/1992
Generator EPA ID: NYD012016630
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 02310
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1992

Document ID: NJO0171653
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 9437AC
Trans2 State ID: Not reported
Generator Ship Date: 07/02/1984
Trans1 Recv Date: 07/02/1984
Trans2 Recv Date: / /
TSD Site Recv Date: 07/09/1984
Part A Recv Date: 07/17/1984
Part B Recv Date: 07/27/1984
Generator EPA ID: NYD012016630
Trans1 EPA ID: NYD013600259
Trans2 EPA ID: Not reported
TSDF ID: NJD096865837
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00055
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1984

Document ID: ILA7247453
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: 1478
Trans2 State ID: 1431
Generator Ship Date: 01/31/1997
Trans1 Recv Date: 01/31/1997
Trans2 Recv Date: 02/10/1997
TSD Site Recv Date: 02/12/1997
Part A Recv Date: 02/26/1997
Part B Recv Date: 02/27/1997
Generator EPA ID: NYD012016630
Trans1 EPA ID: MAD039322250

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Trans2 EPA ID: OHD009865825
TSDF ID: ILD000608471
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 04200
Units: P - Pounds
Number of Containers: 014
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1997

Document ID: NJA1440395
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 09/02/1992
Trans1 Recv Date: 09/02/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 09/09/1992
Part A Recv Date: / /
Part B Recv Date: 09/24/1992
Generator EPA ID: NYD012016630
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 01959
Units: P - Pounds
Number of Containers: 005
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1992

Document ID: NJA1367326
Manifest Status: Completed copy
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 03/11/1992
Trans1 Recv Date: 03/11/1992
Trans2 Recv Date: / /
TSD Site Recv Date: 03/12/1992
Part A Recv Date: / /
Part B Recv Date: 03/25/1992
Generator EPA ID: NYD012016630
Trans1 EPA ID: ILD051060408
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 02350
Units: P - Pounds
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Year: 1992

Document ID: NJA0734316
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 02/05/1990
Trans1 Recv Date: 02/05/1990
Trans2 Recv Date: / /
TSD Site Recv Date: 02/05/1990
Part A Recv Date: 02/16/1990
Part B Recv Date: 02/22/1990
Generator EPA ID: NYD012016630
Trans1 EPA ID: NJD000813477
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F003 - UNKNOWN
Quantity: 00330
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1990

Document ID: NJA0601982
Manifest Status: Completed copy
Trans1 State ID: NJDEPS103
Trans2 State ID: Not reported
Generator Ship Date: 06/08/1989
Trans1 Recv Date: 06/08/1989
Trans2 Recv Date: / /
TSD Site Recv Date: 06/08/1989
Part A Recv Date: 06/14/1989
Part B Recv Date: 06/15/1989
Generator EPA ID: NYD012016630
Trans1 EPA ID: NJD000813477
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: F005 - UNKNOWN
Quantity: 00330
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 006
Container Type: DM - Metal drums, barrels
Handling Method: R Material recovery of more than 75 percent of the total material.
Specific Gravity: 100
Year: 1989

Document ID: NJA0915049
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID: NJDEPS869
Trans2 State ID: Not reported
Generator Ship Date: 06/13/1990
Trans1 Recv Date: 06/13/1990

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Trans2 Recv Date:	/ /
TSD Site Recv Date:	06/15/1990
Part A Recv Date:	10/18/1990
Part B Recv Date:	08/03/1990
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F005 - UNKNOWN
Quantity:	01100
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	NJA0907437
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	77882
Trans2 State ID:	Not reported
Generator Ship Date:	08/15/1990
Trans1 Recv Date:	08/15/1990
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/15/1990
Part A Recv Date:	10/25/1990
Part B Recv Date:	09/19/1990
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F003 - UNKNOWN
Quantity:	00783
Units:	P - Pounds
Number of Containers:	002
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1990

Document ID:	ILA7247427
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	1478
Trans2 State ID:	1431
Generator Ship Date:	01/31/1997
Trans1 Recv Date:	01/31/1997
Trans2 Recv Date:	02/10/1997
TSD Site Recv Date:	02/12/1997
Part A Recv Date:	02/26/1997
Part B Recv Date:	04/29/1997
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	MAD039322250
Trans2 EPA ID:	OHD009865825
TSDF ID:	ILD000608471
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES

PARISH OF TRINITY CHURCH (Continued) **1000224078**

Quantity:	00160
Units:	P - Pounds
Number of Containers:	004
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	NJA1141046
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	05/02/1991
Trans1 Recv Date:	05/02/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	05/06/1991
Part A Recv Date:	07/10/1991
Part B Recv Date:	06/26/1991
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F005 - UNKNOWN
Quantity:	01173
Units:	P - Pounds
Number of Containers:	003
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

Document ID:	NJA1130382
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	NJDEPS869
Trans2 State ID:	Not reported
Generator Ship Date:	08/28/1991
Trans1 Recv Date:	08/28/1991
Trans2 Recv Date:	/ /
TSD Site Recv Date:	08/29/1991
Part A Recv Date:	/ /
Part B Recv Date:	09/23/1991
Generator EPA ID:	NYD012016630
Trans1 EPA ID:	ILD051060408
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002182897
Waste Code:	F005 - UNKNOWN
Quantity:	01600
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1991

PARISH OF TRINITY CHURCH (Continued) **1000224078**

E DESIGNATION:

Tax Lot(s):	47
Tax Block:	579
Borough Code:	MN
E-No:	E-288
Effective Date:	3/20/2013
Satisfaction Date:	Not reported
Ceqr Number:	12DCP045M
Ulurp Number:	120380ZMM
Zoning Map No:	12a
Description:	Air Quality - HVAC fuel limited to natural gas
Lot Remediation Date:	Not reported
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

V320 **CON EDISON** **RCRA-CESQG** **1012185048**
NNE **528 GREENWICH ST** **NYP004158507**
1/8-1/4 **NEW YORK, NY 10024**
0.232 mi.
1224 ft. **Site 20 of 20 in cluster V**

Relative:
Higher

Actual:
10 ft.

RCRA-CESQG:

Date form received by agency:	05/13/2008
Facility name:	CON EDISON
Facility address:	528 GREENWICH ST NEW YORK, NY 10024
EPA ID:	NYP004158507
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	STEVEN MARTIS
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 580-8383
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

CON EDISON (Continued) **1012185048**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

AC321 **CON EDISON** **NY MANIFEST** **S116551291**
ENE **100 VARICK ST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.232 mi.
1225 ft. **Site 5 of 9 in cluster AC**

Relative:
Higher

Actual:
13 ft.

NY MANIFEST:
- EPA ID: NYP004497400
- Country: USA
- Location Address 1: 100 VARICK ST
- Location Address 2: SB47369
- Location City: NEW YORK
- Location State: NY
- Location Zip Code: 10013
- Location Zip Code 4: Not reported

Mailing Info:
- Name: CON EDISON
- Contact: CON EDISON
- Address: 4 IRVING PL
- Address 2: 15TH FL
- City/State/Zip: NEW YORK, NY 10003
- Country: USA
- Phone: Not reported

Manifest:
- Document ID: Not reported
- Manifest Status: Not reported
- Trans1 State ID: NJD003812047
- Trans2 State ID: Not reported
- Generator Ship Date: 04/11/2014
- Trans1 Recv Date: 04/11/2014
- Trans2 Recv Date: Not reported
- TSD Site Recv Date: 04/15/2014
- Part A Recv Date: Not reported
- Part B Recv Date: Not reported
- Generator EPA ID: NYP004497400
- Trans1 EPA ID: Not reported

CON EDISON (Continued) **S116551291**

Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002407451GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Z322 **CON EDISON MANHOLE: 37263** **RCRA-CESQG** **1016143596**
SSE **HUDSON ST & MOORE ST SE COR** **NY MANIFEST** **NYP004263778**
1/8-1/4 **NEW YORK, NY 10013**
0.234 mi.
1234 ft. **Site 2 of 8 in cluster Z**

Relative:
Higher

Actual:
19 ft.

RCRA-CESQG:

Date form received by agency:	08/18/2012
Facility name:	CON EDISON MANHOLE: 37263
Facility address:	HUDSON ST & MOORE ST SE COR NEW YORK, NY 10013
EPA ID:	NYP004263778
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JOSE MONTALVO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 427-1331
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely

CON EDISON MANHOLE: 37263 (Continued) **1016143596**

hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004263778
Country: USA
Location Address 1: SE COR HUDSON ST & MOORE ST
Location Address 2: MH 37263
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: TOM TEELING
Address: 4 IRVING PLACE - 15TH FLOOR
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 08/18/2012
Trans1 Recv Date: 08/18/2012
Trans2 Recv Date: Not reported
TSD Site Recv Date: 08/21/2012
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004263778
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 709.0

CON EDISON MANHOLE: 37263 (Continued) **1016143596**

Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009209723JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	Y
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Z323 **CONSOLIDATED EDISON OF NY** **NY MANIFEST** **S112140704**
SSE **HUDSON STREET AND NORTH MOORE** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.234 mi.
1234 ft. **Site 3 of 8 in cluster Z**

Relative:
Higher

Actual:
19 ft.

NY MANIFEST:

EPA ID:	NYP004254819
Country:	USA
Location Address 1:	HUDSON STREET AND NORTH MOORE
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CONSOLIDATED EDISON OF NY
Contact:	TOM TEELING
Address:	4 IRVING PLACE FLOOR 15
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027192
Trans2 State ID:	Not reported
Generator Ship Date:	06/12/2012
Trans1 Recv Date:	06/12/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/22/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004254819
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported

CONSOLIDATED EDISON OF NY (Continued) **S112140704**

TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	4000.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	009209586JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003612047
Trans2 State ID:	Not reported
Generator Ship Date:	06/11/2012
Trans1 Recv Date:	06/11/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/19/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004254819
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	1100.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	11.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	001129462GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

CONSOLIDATED EDISON OF NY (Continued) **S112140704**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	06/14/2012
Trans1 Recv Date:	06/14/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/19/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004254819
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	900.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	20.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2012
Manifest Tracking Num:	001129423GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	06/15/2012
Trans1 Recv Date:	06/15/2012
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/25/2012
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004254819
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	7000.0
Units:	K - Kilograms (2.2 pounds)
Number of Containers:	1.0
Container Type:	CM - Metal boxes, cases, roll-offs
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0

CONSOLIDATED EDISON OF NY (Continued) **S112140704**

Year:	2012
Manifest Tracking Num:	009209590JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Z324 **CON EDISON SERVICE BOX: 37267** **RCRA-CESQG** **1016149931**
SSE **HUDSON ST & MOORE ST** **NY MANIFEST** **NYP004285995**
1/8-1/4 **NEW YORK, NY 10013**
0.234 mi.
1234 ft. **Site 4 of 8 in cluster Z**

Relative:
Higher

Actual:
19 ft.

RCRA-CESQG:

Date form received by agency:	01/29/2013
Facility name:	CON EDISON SERVICE BOX: 37267
Facility address:	HUDSON ST & MOORE ST NEW YORK, NY 10013
EPA ID:	NYP004285995
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JOSE MONTALVO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 427-1331
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

CON EDISON SERVICE BOX: 37267 (Continued) **1016149931**

Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004285995
Country:	USA
Location Address 1:	F/O 126-128 E HUDSON ST N/O MOORE ST
Location Address 2:	SERV BOX 37267
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/29/2013
Trans1 Recv Date:	01/29/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/30/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285995
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010841005JJK
Import Ind:	N
Export Ind:	N

CON EDISON SERVICE BOX: 37267 (Continued) **1016149931**

Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

AD325 **DIGITAL DIRIGIBLE** **RCRA NonGen / NLR** **1004758719**
ESE **417 CANAL ST - 8TH FLOOR** **FINDS** **NYD987018892**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.234 mi.
1236 ft. **Site 1 of 2 in cluster AD**

Relative:
Higher

Actual:
8 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	DIGITAL DIRIGIBLE
Facility address:	417 CANAL ST - 8TH FLOOR NEW YORK, NY 10013
EPA ID:	NYD987018892
Mailing address:	CANAL ST - 8TH FLOOR NEW YORK, NY 10013
Contact:	JOAN JANSSON
Contact address:	CANAL ST - 8TH FLOOR NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 431-1923
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0867
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	TRINITY CHURCH
Owner/operator address:	74 TRINITY PL NEW YORK, NY 10006
Owner/operator country:	US
Owner/operator telephone:	(212) 602-0867
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

DIGITAL DIRIGIBLE (Continued) **1004758719**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: DIGITAL DIRIGIBLE
Classification: Not a generator, verified

Date form received by agency: 10/21/1992
Site name: DIGITAL DIRIGIBLE
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004496661

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYD987018892
Country: USA
Location Address 1: 417 CANAL ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: DIGITABLE DIRIGIBLE
Contact: DIGITABLE DIRIGIBLE
Address: 417 CANAL ST
City/State/Zip: NEW YORK, NY 10013

DIGITAL DIRIGIBLE (Continued) **1004758719**

Country: USA
Phone: 212-431-1923

Manifest:

Document ID: NJA3029276
Manifest Status: Not reported
Trans1 State ID: NJDEPE086
Trans2 State ID: H10364
Generator Ship Date: 07/21/1999
Trans1 Recv Date: 07/21/1999
Trans2 Recv Date: 07/26/1999
TSD Site Recv Date: 07/26/1999
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987018892
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: SCD987574647
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00311
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 1999

Document ID: NJA2113253
Manifest Status: Completed copy
Trans1 State ID: NJDEPE086
Trans2 State ID: Not reported
Generator Ship Date: 06/29/1995
Trans1 Recv Date: 06/29/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 06/30/1995
Part A Recv Date: / /
Part B Recv Date: 07/14/1995
Generator EPA ID: NYD987018892
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00342
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1995

Document ID: NJA2808744
Manifest Status: Not reported
Trans1 State ID: 08690
Trans2 State ID: Not reported

DIGITAL DIRIGIBLE (Continued) **1004758719**

Generator Ship Date: 06/29/1998
Trans1 Recv Date: 06/29/1998
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/08/1998
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD987018892
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00324
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 01.00
Year: 1998

Document ID: NJA2546453
Manifest Status: Completed copy
Trans1 State ID: NJDEPE086
Trans2 State ID: Not reported
Generator Ship Date: 08/23/1996
Trans1 Recv Date: 08/23/1996
Trans2 Recv Date: / /
TSD Site Recv Date: 08/26/1996
Part A Recv Date: / /
Part B Recv Date: 09/12/1996
Generator EPA ID: NYD987018892
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00684
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1996

Document ID: NJA1919907
Manifest Status: Completed copy
Trans1 State ID: 62667
Trans2 State ID: Not reported
Generator Ship Date: 12/22/1994
Trans1 Recv Date: 12/22/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 12/22/1994
Part A Recv Date: / /
Part B Recv Date: 01/10/1995
Generator EPA ID: NYD987018892
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported

DIGITAL DIRIGIBLE (Continued) **1004758719**

TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00315
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NJA1824592
Manifest Status: Completed copy
Trans1 State ID: 086905200
Trans2 State ID: Not reported
Generator Ship Date: 04/12/1994
Trans1 Recv Date: 04/12/1994
Trans2 Recv Date: / /
TSD Site Recv Date: 04/13/1994
Part A Recv Date: / /
Part B Recv Date: 04/27/1994
Generator EPA ID: NYD987018892
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00685
Units: P - Pounds
Number of Containers: 002
Container Type: DM - Metal drums, barrels
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 100
Year: 1994

Document ID: NJA2060258
Manifest Status: Completed copy
Trans1 State ID: NJDEPE086
Trans2 State ID: Not reported
Generator Ship Date: 02/17/1995
Trans1 Recv Date: 02/17/1995
Trans2 Recv Date: / /
TSD Site Recv Date: 02/20/1995
Part A Recv Date: / /
Part B Recv Date: 03/06/1995
Generator EPA ID: NYD987018892
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD002182897
Waste Code: D001 - NON-LISTED IGNITABLE WASTES
Quantity: 00187
Units: P - Pounds
Number of Containers: 001
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 100
Year: 1995

AD326 **417 CANAL ST** **NY AST** **S102144882**
ESE **417 CANAL ST** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10013** **NY Spills**
0.234 mi. **NY E DESIGNATION**
1236 ft. **Site 2 of 2 in cluster AD**

Relative:
Higher

Actual:
8 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-158925
Program Type:	PBS
UTM X:	583978.15044
UTM Y:	4508430.5793599999
Expiration Date:	06/05/2012
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	5346
Affiliation Type:	Facility Owner
Company Name:	RECTOR CHRUCH WARDENS& VESTRUMEN OF TRINITY CHURCH
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	74 TRINITY PLACE
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 602-0854
EMail:	Not reported
Fax Number:	Not reported
Modified By:	NRLOMBAR
Date Last Modified:	6/20/2012

Site Id:	5346
Affiliation Type:	Mail Contact
Company Name:	TRINITY REAL ESTATE
Contact Type:	Not reported
Contact Name:	PETER A. ST. JOHN
Address1:	75 VARICK STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10013
Country Code:	001
Phone:	(646) 613-9421
EMail:	PSTJOHN@TRINITYWALLSTREET.ORG
Fax Number:	Not reported
Modified By:	MSBAPTIS
Date Last Modified:	9/10/2013

Site Id:	5346
Affiliation Type:	On-Site Operator
Company Name:	417 CANAL ST
Contact Type:	Not reported
Contact Name:	LOU DIGIOVANNI
Address1:	Not reported
Address2:	Not reported
City:	Not reported

417 CANAL ST (Continued) **S102144882**

State: NN
Zip Code: Not reported
Country Code: 001
Phone: (646) 216-7575
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 6/20/2012

Site Id: 5346
Affiliation Type: Emergency Contact
Company Name: RECTOR CHRUCH WARDENS& VESTRUMEN OF TRINITY CHURCH
Contact Type: Not reported
Contact Name: DINO CELIC
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (917) 440-9701
EMail: Not reported
Fax Number: Not reported
Modified By: NRLOMBAR
Date Last Modified: 6/20/2012

Tank Info:

Tank Number: 001
Tank Id: 8555
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Equipment Records:

B00 - Tank External Protection - None
C01 - Pipe Location - Aboveground
E10 - Piping Secondary Containment - Impervious Underlayment
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 01/01/1972
Capacity Gallons: 4000
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 11/21/2007

417 CANAL ST (Continued) **S102144882**

Register: True
Modified By: NRLOMBAR
Last Modified: 06/20/2012
Material Name: #2 Fuel Oil (On-Site Consumption)

HIST AST:
PBS Number: 2-158925
SWIS Code: 6201
Operator: PAT POLOS
Facility Phone: (212) 431-8788
Facility Addr2: 417 CANAL ST
Facility Type: Not reported
Emergency: PAT POLOS
Emergency Tel: (516) 281-3122
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: RECTOR CHRUCH WARDEN & VESTRUMEN OF TRINITY CHURCH
Owner Address: 74 TRINITY PLACE
Owner City,St,Zip: NEW YORK, NY 10006
Federal ID: Not reported
Owner Tel: (212) 602-0854
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: Not reported
Mailing Name: RECTOR CHRUCH WARDEN
Mailing Address: 74 TRINITY PL
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10006
Mailing Telephone: (212) 602-0854
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag: False
Certification Date: 07/31/1997
Expiration: 06/05/2002
Renew Flag: False
Renew Date: Not reported
Total Capacity: 4000
FAMT: True
Facility Screen: Minor Data Missing
Owner Screen: Minor Data Missing
Tank Screen: Minor Data Missing
Dead Letter: False
CBS Number: Not reported
Town or City: NEW YORK CITY
County Code: 62
Town or City Code: 01
Region: 2

Tank ID: 001
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 4000

417 CANAL ST (Continued) **S102144882**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

SPILLS:

Facility ID:	8708613
Facility Type:	ER
DER Facility ID:	177645
Site ID:	214404
DEC Region:	2
Spill Date:	1/9/1988
Spill Number/Closed Date:	8708613 / 1/9/1988
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	3101
Investigator:	CANZIANI
Referred To:	Not reported
Reported to Dept:	1/9/1988
CID:	Not reported
Water Affected:	HUDSON RIVER
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	1/9/1988
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/25/1988
Spill Record Last Update:	3/13/1989
Spiller Name:	Not reported
Spiller Company:	NYCDEP
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	POWER FAILURE CAUSED PUMP STAION TO BYPASS, NOTIFIED CON ED.

417 CANAL ST (Continued) **S102144882**

Material:

Site ID:	214404
Operable Unit ID:	913290
Operable Unit:	01
Material ID:	463992
Material Code:	0062A
Material Name:	RAW SEWAGE
Case No.:	Not reported
Material FA:	Other
Quantity:	-1
Units:	Not reported
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

E DESIGNATION:

Tax Lot(s):	63
Tax Block:	227
Borough Code:	Not reported
E-No:	E-288
Effective Date:	3/20/2013
Satisfaction Date:	Not reported
Ceqr Number:	12DCP045M
Ulurp Number:	120380ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported
Description:	No operable window or air intakes limitations
Lot Remediation Date:	Not reported
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

AA327 **SPILL NUMBER 0212088** **NY LTANKS** **S105998327**
SSE **119 HUDSON STREET** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.234 mi.
1238 ft. **Site 5 of 7 in cluster AA**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	200772
Spill Number/Closed Date:	0212088 / 3/27/2003
Spill Date:	3/8/2003
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	JMKRIMGO

SPILL NUMBER 0212088 (Continued) **S105998327**

Referred To:	Not reported
Reported to Dept:	3/8/2003
CID:	418
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/8/2003
Spill Record Last Update:	3/27/2003
Spiller Name:	Not reported
Spiller Company:	Need Oil
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	BILL FLEISHER
Spiller Phone:	(212) 566-1881
Spiller Extention:	116
DEC Region:	2
DER Facility ID:	167055
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"03/08/2003. J. Krimgold at site. Tank overfill. Oil running from sidewalk to the street. Need Oil - delivery co. (718-401-0500) did not report the spill and refused to accept responsibility. Building owner (AIM Holding L.L.C.) Bill Fleisher @ 212-566-1881 x 116, cell 916-863-8787 is not available at this time. Tenants contracted Trade-Winds to cleanup sidewalk and street. Also no PBS registration for 3000 gal tank. Clean up completed.03/10/03. J. Krimgold spoke to the building owner Bill Fleisher and gave verbal direction to register AST ASAP.
Remarks:	caller having difficulty obtaining information from parties involved. cell phone 516-779-7824

Material:

Site ID:	200772
Operable Unit ID:	865541
Operable Unit:	01
Material ID:	511835
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AC328 **CON EDISON VAULT: 9816** **RCRA NonGen / NLR** **1016969740**
ENE **51 DOMINICK ST** **NY MANIFEST** **NYP004434213**
1/8-1/4 **NEW YORK, NY 10013**
0.235 mi.
1241 ft. **Site 6 of 9 in cluster AC**

Relative:
Higher

Actual:
18 ft.

RCRA NonGen / NLR:

Date form received by agency:	03/05/2014
Facility name:	CON EDISON VAULT: 9816
Facility address:	51 DOMINICK ST NEW YORK, NY 10013
EPA ID:	NYP004434213
Mailing address:	IRVING PL, 15TH FL NE NEW YORK, NY 10003
Contact:	THOMAS TEELING
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	02/05/2014
Site name:	CON EDISON VAULT: 9816
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004434213
Country:	USA
Location Address 1:	F/O ST DOMINICK ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

CON EDISON VAULT: 9816 (Continued) **1016969740**

Name:	CON EDISON
Contact:	CON EDISON
Address:	4 IRVING PLACE
Address 2:	15TH FL
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	Not reported

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJD003812047
Trans2 State ID:	Not reported
Generator Ship Date:	02/05/2014
Trans1 Recv Date:	02/05/2014
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/06/2014
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004434213
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD991291105
Waste Code:	Not reported
Quantity:	100
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	002329304GBF
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Y329 **CON EDISION - MH36314** **RCRA NonGen / NLR** **1007207793**
NNE **VANDAM ST. AND GREENWICH ST. V** **NY MANIFEST** **NYP004075438**
1/8-1/4 **NEW YORK, NY 10003**
0.235 mi.
1243 ft. **Site 4 of 5 in cluster Y**

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:

Date form received by agency:	06/02/2002
Facility name:	CON EDISION - MH36314
Facility address:	VANDAM ST. AND GREENWICH ST. V NEW YORK, NY 10003
EPA ID:	NYP004075438

CON EDISION - MH36314 (Continued) **1007207793**

Mailing address:	IRVING PLACE NEW YORK, NY 10003
Contact:	ANTHONY DRUMMINGS
Contact address:	IRVING PLACE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-3770
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	06/01/2002
Site name:	CON EDISION - MH36314
Classification:	Not a generator, verified
Date form received by agency:	05/31/2002
Site name:	CON EDISION - MH36314
Classification:	Large Quantity Generator
Violation Status:	No violations found

NY MANIFEST:

EPA ID:	NYP004075438
Country:	USA
Location Address 1:	VANDAM ST. AND GREENWICH ST. V
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10003
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISION - MH36314
Contact:	Not reported
Address:	Not reported
City/State/Zip:	Not reported
Country:	Not reported
Phone:	Not reported

CON EDISION - MH36314 (Continued) **1007207793**

NY MANIFEST:
No Manifest Records Available

AA330 **377 GREENWICH STREET** **NY BROWNFIELDS** **S108078299**
South **377 GREENWICH STREET** **NY E DESIGNATION** **N/A**
1/8-1/4 **MANHATTAN, NY 10013**
0.235 mi.
1243 ft. **Site 6 of 7 in cluster AA**

Relative:
Higher

Actual:
12 ft.

BROWNFIELDS:

Program:	BCP
Site Code:	57850
Acres:	.230
HW Code:	C231037
SWIS:	3101
Town:	New York City
Update By:	dcwalsh
Site Description:	This Site consists of approximately 10,080 square feet of vacant land previously occupied by a two-story parking garage. Garage was demolished in 1991 and the Site has been utilized as a parking lot since then. The site is surrounded by residential buildings.Phase I was conducted in July 2003, and a Phase II Investigation was conducted in July 2004. Results indicate low levels of metal contamination.Applicant has demolished the parking lot and is conducting soil removal for construction of a hotel. The Site will be occupied by the hotel/restaurant building. Building includes construction of 80-room hotel and 100-seat restaurant consisting of approximately 60,000 sf.After careful review, the Department determined that this site was not eligible for the BCP.
Env Problem:	Site soils exihibit low levels of metal contamination. Test pits indicate presence of two 500-gallon tanks. Site groundwater is being investigated.
Health Problem:	Not reported

E DESIGNATION:

Tax Lot(s):	16
Tax Block:	187
Borough Code:	Not reported
E-No:	E-61
Effective Date:	6/28/1995
Satisfaction Date:	Not reported
Ceqr Number:	95DCP010M
Ulurp Number:	940309 ZMM
Zoning Map No:	12a, 12b
Description:	Window Wall Attenuation & Alternate Ventilation
Lot Remediation Date:	Not reported

AC331 **CON EDISON** **RCRA-CESQG** **1014395644**
ENE **VARICK ST BTWN WATTS & BROOME** **NY MANIFEST** **NYP004171096**
1/8-1/4 **NEW YORK, NY 10012**
0.235 mi.
1243 ft. **Site 7 of 9 in cluster AC**

Relative:
Higher

Actual:
15 ft.

RCRA-CESQG:

Date form received by agency:	06/05/2009
Facility name:	CON EDISON
Facility address:	VARICK ST BTWN WATTS & BROOME ST NEW YORK, NY 10012
EPA ID:	NYP004171096
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	MICHAEL BETO
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(917) 337-5519
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Violation Status: No violations found

NY MANIFEST:

EPA ID:	NYP004171096

CON EDISON (Continued) **1014395644**

Country: USA
Location Address 1: EXCAVATION VARICK ST BTW WATTS & BROOME
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: Not reported
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: CONSOLIDATED EDISON
Address: 4 IRVING PL RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 06/06/2009
Trans1 Recv Date: 06/06/2009
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/09/2009
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004171096
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 50.0
Units: K - Kilograms (2.2 pounds)
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2009
Manifest Tracking Num: 001440081FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

AA332 **117-119 HUDSON STREET** **NY AST** **A100291332**
SSE **117-119 HUDSON STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.238 mi.
1259 ft. **Site 7 of 7 in cluster AA**

Relative:
Higher

Actual:
19 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-608679
Program Type:	PBS
UTM X:	583721.04865999997
UTM Y:	4508092.9204799999
Expiration Date:	03/27/2018
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	30531
Affiliation Type:	Facility Owner
Company Name:	AIM HOLDING LLC
Contact Type:	MANAGING MEMBER
Contact Name:	WILLIAM FLEISCHER
Address1:	29 BROADWAY, SUITE 1511
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 566-1881
EMail:	Not reported
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/5/2014

Site Id:	30531
Affiliation Type:	Mail Contact
Company Name:	AIM HOLDING LLC
Contact Type:	Not reported
Contact Name:	WILLIAM FLEISCHER
Address1:	29 BROADWAY
Address2:	SUITE 1511
City:	NEW YORK
State:	NY
Zip Code:	10006
Country Code:	001
Phone:	(212) 566-1881
EMail:	WFLEISCHER@BFBOND.COM
Fax Number:	Not reported
Modified By:	CGFREEDM
Date Last Modified:	12/5/2014

Site Id:	30531
Affiliation Type:	On-Site Operator
Company Name:	117-119 HUDSON STREET
Contact Type:	Not reported
Contact Name:	EL. HERNARDZZ
Address1:	Not reported
Address2:	Not reported
City:	Not reported

117-119 HUDSON STREET (Continued) **A100291332**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 495-9088
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	30531
Affiliation Type:	Emergency Contact
Company Name:	AIM HOLDING LLC
Contact Type:	Not reported
Contact Name:	WILLIAM FLEISCHER
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 941-9734
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	65514
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

B01 - Tank External Protection - Painted/Asphalt Coating
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G02 - Tank Secondary Containment - Vault (w/access)
I05 - Overfill - Vent Whistle
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C01 - Pipe Location - Aboveground
F01 - Pipe External Protection - Painted/Asphalt Coating
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	04/01/2003
Capacity Gallons:	3000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True

117-119 HUDSON STREET (Continued) **A100291332**

Modified By: CGFREEDM
Last Modified: 12/05/2014
Material Name: #2 Fuel Oil (On-Site Consumption)

333
NNE
1/8-1/4
0.239 mi.
1264 ft.

V-DOG CONDOMINIUM **NY AST** **A100157587**
95 VANDAM STREET **N/A**
NEW YORK, NY 10013

Relative:
Higher

Actual:
11 ft.

AST:
Region: STATE
DEC Region: 2
Site Status: Active
Facility Id: 2-399272
Program Type: PBS
UTM X: 583792.87424999999
UTM Y: 4508904.7524600001
Expiration Date: 11/02/2019
Site Type: Apartment Building/Office Building

Affiliation Records:
Site Id: 19007
Affiliation Type: Facility Owner
Company Name: V-DOG CONDOMINIUM C/O ANDREWS BLDG. CORP
Contact Type: PROPERTY MANAGER
Contact Name: DEBORA ANGELICO
Address1: 95 VANDAM ST.
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 529-5688
EMail: Not reported
Fax Number: Not reported
Modified By: LSZINOMA
Date Last Modified: 11/6/2014

Site Id: 19007
Affiliation Type: Mail Contact
Company Name: ANDREWS ORGANIZATION
Contact Type: Not reported
Contact Name: EUGENE ANDREWS
Address1: 666 BROADWAY - 12TH FL
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10012
Country Code: 001
Phone: (212) 529-5688
EMail: Not reported
Fax Number: Not reported
Modified By: LSZINOMA
Date Last Modified: 11/6/2014

Site Id: 19007
Affiliation Type: On-Site Operator

V-DOG CONDOMINIUM (Continued) **A100157587**

Company Name:	V-DOG CONDOMINIUM
Contact Type:	Not reported
Contact Name:	C. BROWN
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(917) 845-9423
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	19007
Affiliation Type:	Emergency Contact
Company Name:	V-DOG CONDOMINIUM C/O ANDREWS BLDG. CORP
Contact Type:	Not reported
Contact Name:	E. ANDREWS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 529-5688
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	21610
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
B00 - Tank External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported

V-DOG CONDOMINIUM (Continued) **A100157587**

Install Date:	08/04/1987
Capacity Gallons:	2000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LSZINOMA
Last Modified:	11/06/2014
Material Name:	#2 Fuel Oil (On-Site Consumption)

AB334 **CON EDISON SERVICE BOX: 49073** **RCRA-CESQG** **1016149828**
NE **278 SPRING ST** **FINDS** **NYP004284949**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.241 mi.
1274 ft. **Site 4 of 7 in cluster AB**

Relative:
Higher

Actual:
18 ft.

RCRA-CESQG:

Date form received by agency:	01/23/2013
Facility name:	CON EDISON SERVICE BOX: 49073
Facility address:	278 SPRING ST NEW YORK, NY 10013
EPA ID:	NYP004284949
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	JUAN RODRIGUEZ
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(347) 865-5931
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No

CON EDISON SERVICE BOX: 49073 (Continued) **1016149828**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055466721

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYP004284949
Country: USA
Location Address 1: 278 SPRING ST
Location Address 2: SERV BOX 46994
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: CON EDISON
Contact: CON EDISON
Address: 4 IRVING PL 15TH FL
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-3770

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 01/23/2013
Trans1 Recv Date: 01/23/2013
Trans2 Recv Date: Not reported
TSD Site Recv Date: 01/30/2013
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004284949
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046

CON EDISON SERVICE BOX: 49073 (Continued) **1016149828**

Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010408544JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

Z335 **WHITE GLOVE VALET** **RCRA NonGen / NLR** **1001197234**
SSE **39 N MOORE ST** **FINDS** **NYR000032433**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.242 mi.
1277 ft. **Site 5 of 8 in cluster Z**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	WHITE GLOVE VALET INC
Facility address:	39 N MOORE ST NEW YORK, NY 10013
EPA ID:	NYR000032433
Mailing address:	N MOORE ST NEW YORK, NY 10013
Contact:	JEFFREY NAMM
Contact address:	N MOORE ST NEW YORK, NY 10013
Contact country:	US
Contact telephone:	(212) 334-2475
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CADAG REALTY
Owner/operator address:	442 N MOORE ST NEW YORK, NY 10013
Owner/operator country:	US
Owner/operator telephone:	(212) 431-1455
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

WHITE GLOVE VALET (Continued) **1001197234**

Owner/operator name: CADAG REALTY
Owner/operator address: 442 N MOORE ST
NEW YORK, NY 10013
Owner/operator country: US
Owner/operator telephone: (212) 431-1455
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: WHITE GLOVE VALET INC
Classification: Not a generator, verified

Date form received by agency: 11/22/1996
Site name: WHITE GLOVE VALET INC
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLORETHYLENE

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS.

Violation Status: No violations found

WHITE GLOVE VALET (Continued) **1001197234**

Evaluation Action Summary:
Evaluation date: 01/15/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110008088112

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
EPA ID: NYR000032433
Country: USA
Location Address 1: 39 N MOORE ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10013
Location Zip Code 4: Not reported

Mailing Info:
Name: WHITE GLOVE VALET
Contact: DONALD SMITH
Address: 39 N MOORE ST
City/State/Zip: NEW YORK, NY 10013
Country: USA
Phone: 212-334-2476

Manifest:

Document ID: NJA2663989
Manifest Status: Completed copy
Trans1 State ID: 08690
Trans2 State ID: Not reported
Generator Ship Date: 02/10/1997
Trans1 Recv Date: 02/10/1997
Trans2 Recv Date: / /
TSD Site Recv Date: 02/10/1997
Part A Recv Date: / /
Part B Recv Date: 02/27/1997
Generator EPA ID: NYR000032433
Trans1 EPA ID: ILD984908202
Trans2 EPA ID: Not reported
TSDF ID: NJD000768093
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity: 00195
Units: P - Pounds

WHITE GLOVE VALET (Continued) **1001197234**

Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV
Quantity:	00060
Units:	P - Pounds
Number of Containers:	001
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Z336 **WHITE GLOVE CLEANERS** **NY DRYCLEANERS** **S110248322**
SSE **39 NORTH MOORE STREET** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.242 mi.
1277 ft. **Site 6 of 8 in cluster Z**

Relative:
Higher

Actual:
19 ft.

DRYCLEANERS:

Facility ID:	2-6205-01262
Phone Number:	212-966-5464
Region:	Not reported
Registration Effective Date:	N/A
Inspection Date:	03OCT22
Install Date:	Not reported
Drop Shop:	Not reported
Shutdown:	Y
Alternate Solvent:	Not reported
Current Business:	Not reported

Z337 **WHITE GLOVE VELET CLEANERS** **RCRA NonGen / NLR** **1001127883**
SSE **39 N MOORE ST** **NYN008005423**
1/8-1/4 **NEW YORK, NY 99999**
0.242 mi.
1277 ft. **Site 7 of 8 in cluster Z**

Relative:
Higher

Actual:
19 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	WHITE GLOVE VELET CLEANERS
Facility address:	39 N MOORE ST NEW YORK, NY 99999
EPA ID:	NYN008005423
Mailing address:	N MOORE ST NEW YORK, NY 99999
Contact:	JEFFREY NAMM
Contact address:	N MOORE ST NEW YORK, NY 99999
Contact country:	US
Contact telephone:	(212) 951-4500
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

WHITE GLOVE VELET CLEANERS (Continued) **1001127883**

Owner/Operator Summary:
Owner/operator name: NON REGULATED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: NON REGULATED
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: (212) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: WHITE GLOVE VELET CLEANERS
Classification: Not a generator, verified

Date form received by agency: 03/21/1997
Site name: WHITE GLOVE VELET CLEANERS
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

Z338 **NEW YORK BLOOD CENTER, INC** **NY AST** **U001831356**
SE **22 ERICSSON PLACE** **NY HIST AST** **N/A**
1/8-1/4 **NEW YORK, NY 10013**
0.245 mi.
1295 ft. **Site 8 of 8 in cluster Z**

Relative:
Higher

Actual:
15 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Unregulated/Closed
Facility Id:	2-043419
Program Type:	PBS
UTM X:	583889.06050999998
UTM Y:	4508204.4251300003
Expiration Date:	02/01/2010
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	408
Affiliation Type:	Mail Contact
Company Name:	HOFFMAN MANAGEMENT
Contact Type:	Not reported
Contact Name:	MARK HOFFMAN
Address1:	300 WEST 55TH ST.
Address2:	SUITE 2S
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 247-4975
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/1/2005

Site Id:	408
Affiliation Type:	On-Site Operator
Company Name:	22 ERICSSON PLACE
Contact Type:	Not reported
Contact Name:	PAUL VINAS
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 941-5110
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/1/2005

Site Id:	408
Affiliation Type:	Emergency Contact
Company Name:	27 NORTHMOORE STREET CONDOMINIUM
Contact Type:	Not reported
Contact Name:	PAUL VINAS
Address1:	Not reported
Address2:	Not reported
City:	Not reported

NEW YORK BLOOD CENTER, INC (Continued) **U001831356**

State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(646) 594-7762
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/1/2005

Site Id:	408
Affiliation Type:	Facility Owner
Company Name:	27 NORTHMOORE STREET CONDOMINIUM
Contact Type:	MANAGING AGENT
Contact Name:	MARK HOFFMAN
Address1:	C/O HOFFMAN MGMT. 300 WEST 55TH ST.
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10019
Country Code:	001
Phone:	(212) 247-4975
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KXTANG
Date Last Modified:	2/1/2005

Tank Info:

Tank Number:	001
Tank Id:	1138
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G03 - Tank Secondary Containment - Vault (w/o access)
I04 - Overfill - Product Level Gauge (A/G)
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Location:	6
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	Not reported
Capacity Gallons:	5000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/1999
Register:	True
Modified By:	KXTANG

NEW YORK BLOOD CENTER, INC (Continued) **U001831356**

Last Modified: 02/01/2005
Material Name: #6 Fuel Oil (On-Site Consumption)

HIST AST:
PBS Number: 2-043419
SWIS Code: 6201
Operator: NEW YORK BLOOD CENTER
Facility Phone: (212) 570-3333
Facility Addr2: 22 ERICSSON PLACE
Facility Type: Not reported
Emergency: A THOMAS HENSKE
Emergency Tel: (516) 754-2935
Old PBSNO: Not reported
Date Inspected: Not reported
Inspector: Not reported
Result of Inspection: Not reported
Owner Name: POLAROME MANUFACTURING CO INC
Owner Address: 22 ERICSSON PLACE
Owner City,St,Zip: NEW YORK, NY 10013
Federal ID: Not reported
Owner Tel: (212) 570-3333
Owner Type: Corporate/Commercial
Owner Subtype: Not reported
Mailing Contact: A THOMAS HENSKE
Mailing Name: NEW YORK BLOOD CENTER
Mailing Address: 22 ERICSSON PLACE
Mailing Address 2: Not reported
Mailing City,St,Zip: NEW YORK, NY 10013
Mailing Telephone: (212) 570-3000
Owner Mark: First Owner
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag: False
Certification Date: 02/12/1992
Expiration: 12/30/1996
Renew Flag: False
Renew Date: Not reported
Total Capacity: 5000
FAMT: True
Facility Screen: Minor Data Missing
Owner Screen: Minor Data Missing
Tank Screen: Minor Data Missing
Dead Letter: False
CBS Number: Not reported
Town or City: NEW YORK CITY
County Code: 62
Town or City Code: 01
Region: 2

Tank ID: 001
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 5000
Product Stored: NOS 5 OR 6 FUEL OIL
Tank Type: Steel/carbon steel

NEW YORK BLOOD CENTER, INC (Continued) **U001831356**

Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Tank Containment:	Diking
Leak Detection:	0
Overfill Protection:	4
Dispenser Method:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
SPDES Number:	Not reported
Lat/Long:	Not reported

Y339 **CON EDISON SERVICE BOX: 49088** **RCRA-CESQG** **1016149749**
NNE **523 WASHINGTON ST FRONT OF** **FINDS** **NYP004284154**
1/8-1/4 **NEW YORK, NY 10014** **NY MANIFEST**
0.246 mi.
1297 ft. **Site 5 of 5 in cluster Y**

Relative:
Higher

Actual:
8 ft.

RCRA-CESQG:

Date form received by agency:	01/18/2013
Facility name:	CON EDISON SERVICE BOX: 49088
Facility address:	523 WASHINGTON ST FRONT OF NEW YORK, NY 10014
EPA ID:	NYP004284154
Mailing address:	IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	RICARDO CARTY
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(646) 772-3407
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

CON EDISON SERVICE BOX: 49088 (Continued) **1016149749**

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110055430760

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NY MANIFEST:
- EPA ID: NYP004284154
- Country: USA
- Location Address 1: 523 WASHINGTON ST
- Location Address 2: SERV BOX 49088
- Location City: NEW YORK
- Location State: NY
- Location Zip Code: 10014
- Location Zip Code 4: Not reported

Mailing Info:
- Name: CON EDISON
- Contact: TOM TEELING
- Address: 4 IRVING PLACE - 15TH FLOOR
- City/State/Zip: NEW YORK, NY 10003
- Country: USA
- Phone: 212-460-3770

Manifest:

- Document ID: Not reported
- Manifest Status: Not reported
- Trans1 State ID: NJ0000027193
- Trans2 State ID: Not reported
- Generator Ship Date: 01/18/2013

CON EDISON SERVICE BOX: 49088 (Continued) **1016149749**

Trans1 Recv Date:	01/18/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/22/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004284154
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	500
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010707272JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

AC340 **CON EDISON - SERVICE BOX 31346** **RCRA-LQG** **1016149922**
ENE **38 DOMINICK ST** **FINDS** **NYP004285904**
1/8-1/4 **NEW YORK, NY 10013** **NY MANIFEST**
0.248 mi.
1309 ft. **Site 8 of 9 in cluster AC**

Relative:
Higher

Actual:
18 ft.

RCRA-LQG:

Date form received by agency:	03/27/2014
Facility name:	CON EDISON - SERVICE BOX 31346
Facility address:	38 DOMINICK ST NEW YORK, NY 10013
EPA ID:	NYP004285904
Mailing address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact:	DENNIS HUACON
Contact address:	IRVING PLACE, 15TH FL NE NEW YORK, NY 10003
Contact country:	US
Contact telephone:	(212) 460-2757
Contact email:	HUACOND@CONED.COM
EPA Region:	02
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely

CON EDISON - SERVICE BOX 31346 (Continued) **1016149922**

hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/28/2013
Owner/Op end date:	Not reported

Owner/operator name:	CONSOLIDATED EDISON COMPANY OF NY, INC.
Owner/operator address:	IRVING PLACE NEW YORK, NY 10003
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	01/28/2013
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D008
. Waste name:	LEAD

Historical Generators:

Date form received by agency:	01/28/2013
Site name:	CON EDISON SERVICE BOX: 31346
Classification:	Conditionally Exempt Small Quantity Generator
Violation Status:	No violations found

FINDS:

CON EDISON - SERVICE BOX 31346 (Continued) **1016149922**

Registry ID: 110055427300

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:

EPA ID:	NYP004285904
Country:	USA
Location Address 1:	38 DOMINICK ST
Location Address 2:	SERV BOX 31346
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	CON EDISON
Contact:	TOM TEELING
Address:	4 IRVING PLACE - 15TH FLOOR
City/State/Zip:	NEW YORK, NY 10003
Country:	USA
Phone:	212-460-3770

Manifest:

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	01/28/2013
Trans1 Recv Date:	01/28/2013
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	01/29/2013
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004285904
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	4000
Units:	P - Pounds
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Year:	2013
Manifest Tracking Num:	010840384JJK
Import Ind:	N

CON EDISON - SERVICE BOX 31346 (Continued) **1016149922**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H110

AC341 **ALISON ON DOMINICK ST** **NY LTANKS** **S102555949**
ENE **38 DOMINICK ST** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.248 mi.
1309 ft. **Site 9 of 9 in cluster AC**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	228963
Spill Number/Closed Date:	9612894 / 1/6/2000
Spill Date:	1/30/1997
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TOMASELLO
Referred To:	Not reported
Reported to Dept:	1/30/1997
CID:	369
Water Affected:	Not reported
Spill Notifier:	Affected Persons
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/30/1997
Spill Record Last Update:	1/6/2000
Spiller Name:	FRANK DOBBS
Spiller Company:	FRANK DOBBS BLDG OWNER
Spiller Address:	38 DOMINICK ST
Spiller City,St,Zip:	MANHATTAN, NY 10013-
Spiller County:	001
Spiller Contact:	BRUCE LEVINSON
Spiller Phone:	(212) 727-1188
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	188774
DEC Memo:	Not reported
Remarks:	DOUBLE TANK RUPTURED AND OIL SMELL IS GOING THROUGH RESTAURANTAND HELP IS BECOMING PHYSICALLY ILL DUE TO SMELLVERY SIZABLE LEAK OIL IS POOLING IN THE SUBBASEMENT BACKING UP THROUGH THE WASTELINEOFFICE # (212)7509898

Material:

ALISON ON DOMINICK ST (Continued) **S102555949**

Site ID:	228963
Operable Unit ID:	1040640
Operable Unit:	01
Material ID:	341539
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AB342 **PRUDENTIAL SECURITIES** **RCRA NonGen / NLR** **1000871278**
NE **315 HUDSON ST** **FINDS** **NY0000023069**
1/8-1/4 **NEW YORK, NY 10038**
0.248 mi.
1312 ft. **Site 5 of 7 in cluster AB**

Relative:
Higher

Actual:
16 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	PRUDENTIAL SECURITIES
Facility address:	315 HUDSON ST NEW YORK, NY 10038
EPA ID:	NY0000023069
Mailing address:	HUDSON ST NEW YORK, NY 10038
Contact:	Not reported
Contact address:	HUDSON ST NEW YORK, NY 10038
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	PRUDENTIAL SECURITIES
Owner/operator address:	199 WATER ST NEW YORK, NY 10292
Owner/operator country:	US
Owner/operator telephone:	(212) 776-1000
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	PRUDENTIAL SECURITIES
Owner/operator address:	199 WATER ST NEW YORK, NY 10292
Owner/operator country:	US
Owner/operator telephone:	(212) 776-1000

PRUDENTIAL SECURITIES (Continued) **1000871278**

Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: PRUDENTIAL SECURITIES
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: PRUDENTIAL SECURITIES
Classification: Not a generator, verified

Date form received by agency: 10/12/1993
Site name: PRUDENTIAL SECURITIES
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

FINDS:

Registry ID: 110009461947

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport,

PRUDENTIAL SECURITIES (Continued) **1000871278**

and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AB343 **315 HUDSON STREET** **NY AST** **S103517661**
NE **315 HUDSON STREET** **NY Spills** **N/A**
1/8-1/4 **MANHATTAN, NY**
0.248 mi.
1312 ft. **Site 6 of 7 in cluster AB**

Relative:
Higher

Actual:
16 ft.

AST:

Region:	STATE
DEC Region:	2
Site Status:	Active
Facility Id:	2-601840
Program Type:	PBS
UTM X:	583847.72554999997
UTM Y:	4508856.8575999998
Expiration Date:	05/06/2009
Site Type:	Other

Affiliation Records:

Site Id:	23802
Affiliation Type:	Facility Owner
Company Name:	VAN HUD REALTY CO.
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	110 EAST 59TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10022
Country Code:	001
Phone:	(212) 421-1300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23802
Affiliation Type:	Mail Contact
Company Name:	JACK RESNICK & SONS, INC.
Contact Type:	Not reported
Contact Name:	JOHN PAVONE
Address1:	110 EAST 59TH STREET
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10022
Country Code:	001
Phone:	(212) 421-1300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23802

315 HUDSON STREET (Continued) **S103517661**

Affiliation Type:	On-Site Operator
Company Name:	315 HUDSON STREET
Contact Type:	Not reported
Contact Name:	ROLAND JONES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 929-5882
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23802
Affiliation Type:	Emergency Contact
Company Name:	VAN HUD REALTY CO.
Contact Type:	Not reported
Contact Name:	JOHN PAVONE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 421-1300
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank Id:	48016
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	02/01/1986
Capacity Gallons:	20000
Tightness Test Method:	NN

315 HUDSON STREET (Continued) **S103517661**

Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/20/1995
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)
Tank Number:	002
Tank Id:	48017
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
B99 - Tank External Protection - Other
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - In Place
Pipe Model:	Not reported
Install Date:	02/01/1986
Capacity Gallons:	20000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/20/1995
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)
Tank Number:	003
Tank Id:	67550
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G01 - Tank Secondary Containment - Diking (Aboveground)
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
I00 - Overfill - None
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None

Tank Location:	1

315 HUDSON STREET (Continued) **S103517661**

Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	11/20/1995
Capacity Gallons:	8000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	TRANSLAT
Last Modified:	03/04/2004
Material Name:	#6 Fuel Oil (On-Site Consumption)

SPILLS:

Facility ID:	9415344
Facility Type:	ER
DER Facility ID:	264216
Site ID:	328296
DEC Region:	2
Spill Date:	2/23/1995
Spill Number/Closed Date:	9415344 / 2/23/1995
Spill Cause:	Human Error
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	2/23/1995
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Private Dwelling
Spill Notifier:	Affected Persons
Cleanup Ceased:	2/23/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	3/23/1995
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	SAME
Spiller Address:	Not reported
Spiller City,St,Zip:	NN
Spiller Company:	999
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	SUPERINTENDANT GAVE DRIVER WRONG READING CAUSING OVERFILL

Material:

Site ID:	328296
Operable Unit ID:	1012657
Operable Unit:	01
Material ID:	370521

315 HUDSON STREET (Continued) **S103517661**

Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 6
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Facility ID: 8807612
Facility Type: ER
DER Facility ID: 250589
Site ID: 310448
DEC Region: 2
Spill Date: 12/16/1988
Spill Number/Closed Date: 8807612 / 12/16/1988
Spill Cause: Human Error
Spill Class: Not reported
SWIS: 3101
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 12/16/1988
CID: Not reported
Water Affected: Not reported
Spill Source: Tank Truck
Spill Notifier: Responsible Party
Cleanup Ceased: 12/16/1988
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 12/21/1988
Spill Record Last Update: 12/21/1988
Spiller Name: Not reported
Spiller Company: hess
Spiller Address: Not reported
Spiller City,St,Zip: NY
Spiller Company: 999
Contact Name: Not reported
Contact Phone: Not reported
DEC Memo: Not reported
Remarks: WHILE DELIVERING OIL, HAD TO MOVE TRUCK FOR POLICE EMERGENCY. CONTAINED ON SIDEWALK, SAND APPLIED, HESS CLEAN-UP CREW EN ROUTE.

Material:
Site ID: 310448
Operable Unit ID: 923097
Operable Unit: 01
Material ID: 455940
Material Code: 0003A
Material Name: #6 Fuel Oil
Case No.: Not reported

315 HUDSON STREET (Continued) **S103517661**

Material FA:	Petroleum
Quantity:	6
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AB344 **CON EDISON** **RCRA-CESQG** **1014395974**
NE **315 HUDSON ST** **NY MANIFEST** **NYP004181541**
1/8-1/4 **NEW YORK, NY 10001**
0.248 mi.
1312 ft. **Site 7 of 7 in cluster AB**

Relative:
Higher

Actual:
16 ft.

RCRA-CESQG:

Date form received by agency:	06/25/2009
Facility name:	CON EDISON
Facility address:	315 HUDSON ST NEW YORK, NY 10001
EPA ID:	NYP004181541
Mailing address:	4 IRVING PL, RM 828 NEW YORK, NY 10003
Contact:	STEVEN MARTIS
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(917) 416-5423
Contact email:	Not reported
EPA Region:	02
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No

CON EDISON (Continued) **1014395974**

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

NY MANIFEST:
EPA ID: NYP004181541
Country: USA
Location Address 1: 315 HUDSON ST
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10020
Location Zip Code 4: Not reported

Mailing Info:
Name: CONSOLIDATED EDISON
Contact: CONSOLIDATED EDISON
Address: 4 IRVING PLACE RM 828
City/State/Zip: NEW YORK, NY 10003
Country: USA
Phone: 212-460-2808

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NYD006982359
Trans2 State ID: Not reported
Generator Ship Date: 06/25/2009
Trans1 Recv Date: 06/25/2009
Trans2 Recv Date: Not reported
TSD Site Recv Date: 06/26/2009
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYP004181541
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD980593636
Waste Code: Not reported
Quantity: 50.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DM - Metal drums, barrels
Handling Method: L Landfill.
Specific Gravity: 1.0
Year: 2009
Manifest Tracking Num: 001440510FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: Y
Discr Residue Ind: N
Discr Partial Reject Ind: N

CON EDISON (Continued) **1014395974**

Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYD006982359
Trans2 State ID:	Not reported
Generator Ship Date:	06/25/2009
Trans1 Recv Date:	06/25/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	06/26/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYP004181541
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD980593636
Waste Code:	Not reported
Quantity:	40.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001440510FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	Y
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

345
South
1/8-1/4
0.249 mi.
1313 ft.

370 GREENWICH ST
NEW YORK, NY 10013

EDR US Hist Cleaners **1015050391**
N/A

Relative:
Higher

Actual:
13 ft.

EDR Historical Cleaners:

Name:	KIMS CLEANERS
Year:	2001
Address:	370 GREENWICH ST
Name:	KIMS CLEANERS
Year:	2003
Address:	370 GREENWICH ST
Name:	KIMS CLEANERS

(Continued) **1015050391**

Year: 2004
Address: 370 GREENWICH ST

Name: KIMS CLEANERS
Year: 2005
Address: 370 GREENWICH ST

Name: KIMS CLEANERS
Year: 2006
Address: 370 GREENWICH ST

Name: KIMS CLEANERS
Year: 2007
Address: 370 GREENWICH ST

Name: KIMS CLEANERS
Year: 2008
Address: 370 GREENWICH ST

AE346 **HRH CONSTRUCTION CORP** **NY LTANKS** **S102142152**
East **101 AVENUE OF AMERICAS** **N/A**
1/4-1/2 **NEW YORK, NY**
0.282 mi.
1490 ft. **Site 1 of 2 in cluster AE**

Relative:
Higher

Actual:
9 ft.

LTANKS:
Site ID: 165222
Spill Number/Closed Date: 8910872 / 10/21/2003
Spill Date: 2/14/1990
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 2/14/1990
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 2/14/1990
Spill Record Last Update: 10/21/2003
Spiller Name: JOHN FEDELI
Spiller Company: HRH CONSTRUCTION CORP
Spiller Address: Not reported
Spiller City,St,Zip: ZZ
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 139282

HRH CONSTRUCTION CORP (Continued) **S102142152**

DEC Memo: Not reported
Remarks: DURING TEST PIT DIGGING, UNK TANK DISCOVERED - DURING TANK REMOVAL BACKHOE OPERATOR LIFTED TANKK, SPILLING GASOLINE - PULVER-MILLER REQUESTS CALL BACK

Material:
Site ID: 165222
Operable Unit ID: 936401
Operable Unit: 01
Material ID: 440424
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

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347 SE 1/4-1/2 0.283 mi. 1496 ft. **APARTMENTS** **NY LTANKS** **S109583693**
11-17 BEACH ST **N/A**
MANHATTAN, NY

Relative: Higher

Actual: 12 ft.

LTANKS:
Site ID: 411150
Spill Number/Closed Date: 0813458 / 4/15/2009
Spill Date: 3/13/2009
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: JMKRIMGO
Referred To: Not reported
Reported to Dept: 3/13/2009
CID: Not reported
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 3/13/2009
Spill Record Last Update: 4/15/2009
Spiller Name: MIKE EDGAR
Spiller Company: VARICK ASSOCIATES LLC
Spiller Address: 11-17 BEACH ST
Spiller City,St,Zip: MANHATTAN, NY
Spiller County: 999

APARTMENTS (Continued) **S109583693**

Spiller Contact:	MIKE EDGAR
Spiller Phone:	(212) 226-3249
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	360370
DEC Memo:	No TTF letter was sent (work was finished-owner will submit results)3/26/2009 Sangesland spoke to building owner. He said the tank failed because the gasket on the manhole was corroded. Owner already had the gasket replaced and the vent line fixed. System was retested and passed. Owner will put a package of info together including:Retest, work order showing repairs, photos, statement that there was NO spill.Submittal should come in by March 31 -4/15/09. J.Krimgold reviewed the report submitted by Varick Associates, LLC. NFA.
Remarks:	Caller states they had a test failure with no spill or resources affected.

Material:

Site ID:	411150
Operable Unit ID:	1167614
Operable Unit:	01
Material ID:	2159193
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	411150
Spill Tank Test:	2487416
Tank Number:	001
Tank Size:	5000
Test Method:	21
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	JMKRIMGO
Last Modified:	4/15/2009
Test Method:	Horner EZY3/EZY3 Locator Plus

348
SSW
1/4-1/2
0.290 mi.
1531 ft.

BATTERY PARK BALLFIELD
WEST ST MURRAY & N. END
MANHATTAN, NY

NY LTANKS **S105234755**
NY Spills **N/A**

Relative:
Lower

Actual:
4 ft.

LTANKS:

Site ID:	287844
Spill Number/Closed Date:	0202933 / 1/12/2004
Spill Date:	6/20/2002
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial

BATTERY PARK BALLFIELD (Continued) **S105234755**

Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	6/20/2002
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/20/2002
Spill Record Last Update:	1/12/2004
Spiller Name:	JIM NEWTON
Spiller Company:	BATTERY PARK BALLFIELD
Spiller Address:	WEST ST
Spiller City,St,Zip:	MANHATTAN, ZZ
Spiller County:	001
Spiller Contact:	JIM NEWTON
Spiller Phone:	(631) 249-3150
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	233161
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "DEMEO"6/20/02 TJDSoil contamination discovered during tank removal. 300 gallons #2 pumped out of tank prior to its removal. Impacted soils will be excavated and disposed of in accordance with regulations. Closure report to be sent in about one month.Contact: Mike Piccirillo (Liro Engineering) 201 522 92181/12/04 TJDClosure report submitted. Tyree excavated approximately 25 yds of contaminated soils for disposal. Elevated SVOC concentrations noted in sidewall samples. VOC and SVOC contamination noted in grounwater samples. DEC required additional remedial measures. Liro proposed and subsequently performed bio remediation on site using Waste Stream Technology's Bioblend M-5. Bioproduct was injected into sub-surface on 2/28/03. Subsequent sampling revealed soils and groundwater had been remediated to within established regualtory limits. No further action required. Spill closed.
Remarks:	DURING REMOVAL OF 1000 UST SOIL CONTAMINATION DISCOVERED CLEAN UP IN PROGRESS

Material:

Site ID:	287844
Operable Unit ID:	855921
Operable Unit:	01
Material ID:	520770
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

BATTERY PARK BALLFIELD (Continued) **S105234755**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

SPILLS:

Facility ID:	0107251
Facility Type:	ER
DER Facility ID:	104542
Site ID:	120390
DEC Region:	2
Spill Date:	10/14/2001
Spill Number/Closed Date:	0107251 / 10/15/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JMROMMEL
Referred To:	Not reported
Reported to Dept:	10/14/2001
CID:	266
Water Affected:	HUDSON RIVER
Spill Source:	Commercial Vehicle
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	10/14/2001
Spill Record Last Update:	10/31/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"MINOR HYDRAULIC OIL LEAK FROM WEEKS MARINE CRANE #524 DEC RESPONDED TO SITE, BOOMS DEPLOYED, SPILL DISSIPATED.Sangesland responded to site per direction of J. Rommel and Tom Kunkel (DEC). Small spill of hydraulic fluid into Hudson River just north of the WTC "Ground Zero". System was repaired. Spill disipated.Spill Closed
Remarks:	A CRANE OPERATING AT "GROUND ZERO" IS LEAKING AN UNKNOWN PETROLEUM PRODUCT. PRODUCT IS ENTERING THE HUDSON RIVER BY PIER 25. VISIBLE SHEEN ON THE WATER. NOTIFIER SAYS THAT THE CRANE THAT IS LEAKING WILL BE OBVIOUS.

Material:

Site ID:	120390
Operable Unit ID:	844297
Operable Unit:	01
Material ID:	532077
Material Code:	0066A

BATTERY PARK BALLFIELD (Continued) **S105234755**

Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

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349 NNE 1/4-1/2 0.302 mi. 1593 ft. **APT BUILDING** **NY LTANKS** **S110611355**
98 CHARLTON ST **N/A**
NEW YORK, NY

Relative: Higher

Actual: 15 ft.

LTANKS:

Site ID:	441668
Spill Number/Closed Date:	1008195 / 3/31/2011
Spill Date:	11/3/2010
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	11/4/2010
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/4/2010
Spill Record Last Update:	3/31/2011
Spiller Name:	Not reported
Spiller Company:	APT BUILDING
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	UNKNOWN
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	396698
DEC Memo:	11/4/10-HRAHMED-DEC Rahman is responding to the site.11/05/10 Performed site visit.Building super was present during my inspection.The tank is 1,500 gallon, vaulted(cemented all over).No evidence of spill observed arounf the tank.No spill seen coming through the weephole.Super removed cinderblock from the top of the tank encasement to see the bottom of the tank.The bottom is dry.Tank

APT BUILDING (Continued) **S110611355**

failed the tightness test.Unsure where the leak is.As per the delivery slip, tank was delivered 1,300 gallons oil.Tank needs to be investigated for leak.csl was sent out toA B Ilibassi Realty CoP.O. Box 3545New Hyde ParkNY 11040(sr)12/08/10 Stopped by the site today.PTC removed the vaulted tank and currently excavating the tank grave. Excavation is approx 15'x6', 4' deep.Tank room has strong odor of petroleum. End point sample will be taken.PTC found holes at the bottom of the tank.(sr)03/31/11 Rec'd closure report. Tank was removed and found to be corroded and contained numerous holes.Excavation extended 15'x 8'x 8'.A total of twenty yards of contaminated soil and debris were removed.Two end point samples were taken from the bottom of the excavation. Minor VOCs left in the soil.ORC applied before backfilling. Vapor barrier was installed. Floor was epoxy painted.Report in edocs.Case closed.(sr)

Remarks: 1500gal agt is leaking/ leak is contained to vault area/vault is located inside, basement area/tank was filled day before yesterday

Material:

Site ID:	441668
Operable Unit ID:	1192217
Operable Unit:	01
Material ID:	2187445
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1300
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AE350 **RESIDENTIAL BUILDING - TTF** **NY LTANKS** **S111063836**
East **34 WATT STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.310 mi.
1635 ft. **Site 2 of 2 in cluster AE**

Relative:
Higher

Actual:
9 ft.

LTANKS:

Site ID:	449593
Spill Number/Closed Date:	1102101 / Not Reported
Spill Date:	5/25/2011
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	TJDEMEO
Referred To:	Not reported
Reported to Dept:	5/25/2011
CID:	Not reported
Water Affected:	Not reported

RESIDENTIAL BUILDING - TTF (Continued) **S111063836**

Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	5/25/2011
Spill Record Last Update:	8/15/2012
Spiller Name:	MARLON JOSEPH
Spiller Company:	UNK
Spiller Address:	34 WATT STREET
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	999
Spiller Contact:	MARLON JOSEPH
Spiller Phone:	718-624-4842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	404184
DEC Memo:	8/15/2012 TTF Spill Case transferred to DEC Tim DeMeo.
Remarks:	TANK TEST FAIL

Material:

Site ID:	449593
Operable Unit ID:	1199800
Operable Unit:	01
Material ID:	2196201
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

---

351 **MOBIL OIL CORP SS #509** **RCRA NonGen / NLR** **1000553806**
ESE **386 CANAL ST** **FINDS** **NYD986962405**
1/4-1/2 **NEW YORK, NY 10013** **NY LTANKS**
0.325 mi. **NY MANIFEST**
1717 ft. **NY Spills**

Relative:
Higher

Actual:
8 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	MOBIL OIL CORP SS #509
Facility address:	386 CANAL ST NEW YORK, NY 10013
EPA ID:	NYD986962405
Mailing address:	GALLOWS RD - MKTG ENVIRON FAIRFAX, NY 220370001
Contact:	Not reported
Contact address:	GALLOWS RD - MKTG ENVIRON FAIRFAX, NY 220370001
Contact country:	US
Contact telephone:	Not reported

MOBIL OIL CORP SS #509 (Continued) **1000553806**

Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MOBIL OIL CORP
Owner/operator address: 3225 GALLOWS RD
FAIRFAX, VA 22037
Owner/operator country: US
Owner/operator telephone: (703) 849-3330
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MOBIL OIL CORP
Owner/operator address: 3225 GALLOWS RD
FAIRFAX, VA 22037
Owner/operator country: US
Owner/operator telephone: (703) 849-3330
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: MOBIL OIL CORP SS #509
Classification: Not a generator, verified

Date form received by agency: 07/21/1999
Site name: MOBIL OIL CORP SS #509
Classification: Large Quantity Generator

Date form received by agency: 06/15/1998
Site name: MOBIL OIL #17-509
Classification: Large Quantity Generator

MOBIL OIL CORP SS #509 (Continued) **1000553806**

Date form received by agency: 04/10/1991
Site name: MOBIL OIL CORP SS #509
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

FINDS:

Registry ID: 110004472366

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LTANKS:
Site ID: 82182
Spill Number/Closed Date: 9601700 / 5/7/1998
Spill Date: 5/3/1996
Spill Cause: Tank Overfill
Spill Source: Gasoline Station or other PBS Facility
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SPSARNOW
Referred To: Not reported
Reported to Dept: 5/3/1996
CID: 349
Water Affected: Not reported
Spill Notifier: Local Agency
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 5/3/1996
Spill Record Last Update: 9/11/2003
Spiller Name: JOANNE WALLACH
Spiller Company: EXXONMOBIL
Spiller Address: 3225 GALLOWS ROAD
Spiller City,St,Zip: FAIRFAX, VA 22037-
Spiller County: 001
Spiller Contact: MR PERODE

MOBIL OIL CORP SS #509 (Continued) **1000553806**

Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	57353
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SARNOWICZ"This spill site has been transferred from DEC Sigona to RemedialBureau B, on August 4, 2003.CLOSE OUT & CROSS REFERENCE TO SPILL # 8802456.reassigned from O'Connell to Sigona on 11/1/00
Remarks:	Caller didn't get name of Gas Station - caller stated "overflow"

Material:

Site ID:	82182
Operable Unit ID:	1033265
Operable Unit:	01
Material ID:	351508
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	59309
Spill Number/Closed Date:	9512066 / 5/7/1998
Spill Date:	12/25/1995
Spill Cause:	Tank Overfill
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SPSARNOW
Referred To:	Not reported
Reported to Dept:	12/25/1995
CID:	349
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	12/25/1995
Spill Record Last Update:	9/11/2003
Spiller Name:	MIKE MEOLA
Spiller Company:	EXXONMOBIL CORP.
Spiller Address:	464 DOUGHTY BLVD.
Spiller City,St,Zip:	INWOOD, NY 11096
Spiller County:	001
Spiller Contact:	HARRY SINGH

MOBIL OIL CORP SS #509 (Continued) **1000553806**

Spiller Phone:	(212) 343-2446
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	57353
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SARNOWICZ"This spill site has been transferred from DEC Sigona to RemedialBureau B, on August 4, 2003.CLOSE OUT & CROSS REFERENCE TO SPILL # 8802456reassigned from O'Dowd to Sigona on 11/1/00
Remarks:	FDNY on scene applied speedy dry for clean up - spill occurred during delivery

Material:

Site ID:	59309
Operable Unit ID:	1026275
Operable Unit:	01
Material ID:	359383
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

NY MANIFEST:

EPA ID:	NYD986962405
Country:	USA
Location Address 1:	386 CANAL ST
Location Address 2:	Not reported
Location City:	NEW YORK
Location State:	NY
Location Zip Code:	10013
Location Zip Code 4:	Not reported

Mailing Info:

Name:	MOBIL OIL CORP #509
Contact:	ROSEANN FAVARO
Address:	3225 GALLOWS RD
City/State/Zip:	FAIRFAX, VA 22037
Country:	USA
Phone:	703-849-3330

Manifest:

Document ID:	NJA2760963
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	S5811
Trans2 State ID:	Not reported
Generator Ship Date:	12/04/1997
Trans1 Recv Date:	12/04/1997
Trans2 Recv Date:	/ /

MOBIL OIL CORP SS #509 (Continued) **1000553806**

TSD Site Recv Date:	12/04/1997
Part A Recv Date:	/ /
Part B Recv Date:	01/20/1998
Generator EPA ID:	NYD986962405
Trans1 EPA ID:	NJ0000027193
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01295
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

Document ID:	NYG0414162
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	PD1011NY
Trans2 State ID:	Not reported
Generator Ship Date:	12/30/1997
Trans1 Recv Date:	12/31/1997
Trans2 Recv Date:	/ /
TSD Site Recv Date:	12/31/1997
Part A Recv Date:	01/20/1998
Part B Recv Date:	01/30/1998
Generator EPA ID:	NYD986962405
Trans1 EPA ID:	NYD077444263
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	01600
Units:	P - Pounds
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	1997

SPILLS:

Facility ID:	9601699
Facility Type:	ER
DER Facility ID:	57353
Site ID:	59310
DEC Region:	2
Spill Date:	5/3/1996
Spill Number/Closed Date:	9601699 / 5/9/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SPSARNOW
Referred To:	Not reported
Reported to Dept:	5/3/1996
CID:	201
Water Affected:	Not reported

MOBIL OIL CORP SS #509 (Continued) **1000553806**

Spill Source:	Commercial Vehicle
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/3/1996
Spill Record Last Update:	9/11/2003
Spiller Name:	MIKE MEOLA
Spiller Company:	EXXONMOBIL CORPORATION
Spiller Address:	464 DOUGHTY BLVD.
Spiller City,St,Zip:	INWOOD, NY 11096
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SARNOWICZ"This spill site has been transferred from DEC Sigona to RemedialBureau B, on August 4, 2003.Reassigned from DEC Katz to Sigona on 11/1/00
Remarks:	NOTIFIER MAKING GAS DELIVERY SPILLED GAS ON PAVEMENT-SPILL CLEANEDUP

Material:

Site ID:	59310
Operable Unit ID:	1033263
Operable Unit:	01
Material ID:	351507
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	8802456
Facility Type:	ER
DER Facility ID:	57353
Site ID:	59308
DEC Region:	2
Spill Date:	4/18/1988
Spill Number/Closed Date:	8802456 / 5/28/2013
Spill Cause:	Unknown
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	KPSARNOW
Referred To:	PILOT STUDY HAS BEEN EXTENDED
Reported to Dept:	6/17/1988
CID:	Not reported
Water Affected:	Not reported

MOBIL OIL CORP SS #509 (Continued) **1000553806**

Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	6/24/1988
Spill Record Last Update:	12/13/2013
Spiller Name:	MIKE MEOLA
Spiller Company:	EXXONMOBIL CORP.
Spiller Address:	464 DOUGHTY BLVD.
Spiller City,St,Zip:	INWOOD, NY 11096
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	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 11/1/00On August 10, 2000, DEC (Sigona) and NYSDOH (McDonald) performed a site investigation with MTA (Transit Authority) and ExxonMobil (Meola) and Handex represenatives 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. This spill site has been transferred from DEC Sigona to Remedial Bureau B, Sarnowicz, on August 4, 2003The RegenOx and ORC injection are being monitored for continued effectiveness.3/3/10 - A feasibility study was conducted to evaluate the structural integrity and efficacy of utilizing lateral screened pipes beneath the slab of the on-site building. PID screening values and labratory analytical data of air samples collected indicate the potential for vapor phase hydrocarbon recovery is minimal.5/21/10 - Exxon Mobil request approval to perform another RegenOx and ORC injection.3/29/10 - The SSUR was submitted for review.5/26/10 - The Department approved another round of RegenOx and ORC injections.6/20/10 - The RegenOx and ORC injections were implemented at the site. 9/8/10 - The SSUR was submitted for review.5/26/11 - The Department approved Kleinfelder to shut down the indoor air treatment system to collect samples without the system running to gather data to determine its effectiveness.6/10/11 - SSUR submitted requesting another round of RegenOx and ORC injections. Kleinfelder scheduled the injection for 6/25/11. DOT scheduled a review of the permit for 3:45 PM on 6/28/11. The injection will be rescheduled after the meeting. The indoor air treatment system is proposed to be shut down beginning 6/30 to gather data without it running.6/24/11 - nine monitoring wells were gauged and six monitoring wells were sampled. Liquid-phase hydrocarbons (LPH) were not detected in the monitoring wells gauged. Laboratory analytical data indicates that dissolved-phase hydrocarbon concentrations are generally consistent with last quarter's data collected from the Site.groundwater samples collected from monitoring wells MW-1, MW-6 and MW-11 were analyzed for general petroleum degraders. The results

MOBIL OIL CORP SS #509 (Continued) **1000553806**

indicate that fluorescent pseudomonas are present in monitoring wells MW-1 and MW-11. The presence of petroleum degrading microbial organisms, as well as dissolved oxygen, indicates that conditions remain favorable for natural degradation to continue.June 28, 2011 - The VAS was temporarily shut down in accordance with a May 26, 2011 New York State Department of Environmental Conservation (NYSDEC) letter approving temporary shutdown contingent upon a series of air sampling events. Six indoor air sampling events are currently being conducted in accordance with the May 26, 2011 NYSDEC letter. An Indoor Air Evaluation Report will be submitted within 60days after receipt of analytical data from the last indoor air sampling event.July 9 and 10, 2011, remedial injections of RegenOx and ORC Advanced were performed in accordance with the work plan outlined in the April 21, 2008 Remedial Action Plan Amendment.The RegenOx and ORC injections are being monitored for continued effectiveness.November 7, 2011 - DER reviewed the SSUR submitted on 9/7/11. The Department found the report unacceptable. On 10/11/11 The Department requested the conclusions and recommendation section be revised to explain the rise in BTEX concentrations at monitoring well MW-11. The Department also request a monitoring well be installed down gradient of MW-11 to demonstrate that the remedial plan is working and plume has not simply migrated down gradient. On 10/19/11 the Department agreed to allow Kleinfelder to address the comments in the SSUR that is scheduled to be submitted on 11/18/11.December 19, 2011 - Kleinfelder submitted the SSUR dated 11/15/11 that included a response to the Department's comments. Kleinfelder has assessed potential locations for the installation of a monitoring well down gradient (northeast) of monitoring well MW-11, and the value installation of this monitoring well would provide. Based on this evaluation, Kleinfelder does not propose installation of a down-gradient well since it would have to be installed downgradient beyond the underground structures in the flow path. On November 23. 2011 Kleinfelder submitted an indoor air investigation report that included a request to permenantly shut down the VAS system. DEC forward the report to NYSDOH for review. DOH agreed to shut the system down and collect another round of samples in March 2012 to evaluate the indoor air with the VAS system not running during the heating season.2/28/12 - The Department was notified on 2/8/12 that another ORC injection event was planned for February. The SSUR was submitted on 2/13/12. 4/11/12 - The SSUR was submitted on 4/5/12. On 3/8 and 9/12, an Indoor Air Quality (IAQ) assessment was conducted adjacent to the site within the New York City Metropolitan Transit Authority (MTA) subway office located beneath Sixth Avenue. On 3/9/12 a total of nine monitoring wells were gauged and eight monitoring wells were sampled. Liquid-phase hydrocarbons were not detected in the monitoring wells gauged. On 3/14 and 15/12 a chemical oxidation injection event was completed. A total of 225 pounds of RegenOx-Part B (activator complex) and 245 pounds of RegenOx-Part A (oxidizer complex) were mixed with approximately 995 gallons of water and injected under pressure into monitoring wells MW-5, MW-10and MW-11. Dissolved phase concentrations of benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) in monitoring wells MW-1, MW-2, MW-7, and MW-9 were below laboratory detection limits. Concentrations of BTEX and MTBE in monitoring wells MW-5, MW-6, MW-10 and MW-11 are generally consistent with the last reporting period. 5/22/12 - The Department and NYSDOH approved the shutdown of the VAS system at the site on 5/18/12. Future indoor monitoring and sampling

MOBIL OIL CORP SS #509 (Continued) **1000553806**

is no longer required.Novmeber 29, 2012 - Department has recieved and is reviewing a SSUR dated October 23, 2012. During September 10, 2012 - Nine monitoring wells were gauged and eight monitoring wells were sampled. Liquid-phase hydrocarbons were not detected in the monitoring wells gauged. Dissolved phase concentrations of benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tertiary butyl ether (MTBE) in monitoring wells MW-2, MW-6, MW-7 and MW-9 were below laboratory detection limits. Concentrations of BTEX and MTBE in monitoring wells MW-5 and MW-10 are generally consistent with the last reporting period. Concentrations of BTEX and MTBE in monitoring well MW-1 is higher than the last reporting period. The next groundwater gauging and sampling event will occur in the fourth quarter of 2012. The SSUR does not conclude if another round of RegneOx and ORC injections would be beneficial. The Department will draft comments regarding this SSUR and send them to ExxonMobil.December 20, 2012 - Revised SSUR was submitted for review on 12/18/12. Based on the most recent quarterly groundwater sampling data from September 10, 2012, all monitoring wells exhibit concentrations that are below 1,000 ppb BTEX and 500 ppb MTBE. Total BTEX and MTBE in monitoring wells MW-2, MW-6, MW-7 and MW-9 were below laboratory detection limits.The Hydro/Concentration graphs prepared by GES show a decreasing trend in concentrations formonitoring wells MW-5, MW-10 and MW-11 when compared to the previous groundwater samples events. Following this trend, GES believes that BTEX and MTBE concentrations will continue to decrease throughout the first quarter of 2013. GES will continue to monitor ground water analytical data throughout the first quarter of 2013, and depending on the results, proposes up to two RegenOx injection events for 2013 followed by continued monitoring of groundwater concentration trends. Should these additional groundwater sampling events show stable and/or decreasing trends in groundwater quality, GES will request no further action.March 21, 2013 - GES met with the Department on 2/28/13 to discuss this spill. GES believes that no further action is warranted and will complete an Exposure Assessment in support of a NFA request.May 1, 2013 - Site Status Update Report prepared was submitted for review. GES is finalizing an Exposure Assessment and additional Site Status Update Report in support of Departmental evaluation of site conditions for no further action.May 16, 2013 - An Exposure Assessment with request for spill closure was submitted for review.December 13, 2013 - The Department closed the spill on May 28, 2013 and sent an inactivation letter requesting the monitroing wells be abandoned.Exxon Mobil abandoned the wells and sent documentation to the Department dated September 5, 2013

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

Material:

Site ID:	59308
Operable Unit ID:	919676
Operable Unit:	01
Material ID:	458022
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

MOBIL OIL CORP SS #509 (Continued) **1000553806**

Resource Affected: Not reported
Oxygenate: False

Tank Test:

AF352 **COMERCIAL PROPERTY** **NY LTANKS** **S106123921**
ENE **155 6TH AVE** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.330 mi.
1741 ft. **Site 1 of 3 in cluster AF**

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	93835
Spill Number/Closed Date:	0311296 / 3/6/2006
Spill Date:	1/6/2004
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	1/6/2004
CID:	404
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/6/2004
Spill Record Last Update:	3/6/2006
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	ANDY FIESER
Spiller Phone:	(908) 413-0297
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	84072
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"PBS #21098513/6/2006 Sangesland spoke to building super "Mr. White" at 212-255-4870He 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 212-924-1023Sangesland 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.

COMERCIAL PROPERTY (Continued) **S106123921**

Remarks: TEST FAILED.

Material:

Tank Test:
Site ID: 93835
Spill Tank Test: 1528896
Tank Number: E2
Tank Size: 5000
Test Method: 09
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: VPLT (NDE) plus UTS-4T/U3 Ullage

AF353 **MOBIL S/S#17-AML** **NY LTANKS** **S104513535**
ENE **140-52 6TH AVE** **NY Spills** **N/A**
1/4-1/2 **NEW YORK, NY**
0.349 mi.
1844 ft. **Site 2 of 3 in cluster AF**

Relative:
Higher

Actual:
15 ft.

LTANKS:
Site ID: 106112
Spill Number/Closed Date: 8912181 / 4/9/1990
Spill Date: 3/23/1990
Spill Cause: Tank Overfill
Spill Source: Gasoline Station or other PBS Facility
Spill Class: Not reported
Cleanup Ceased: 4/9/1990
Cleanup Meets Standard: True
SWIS: 3101
Investigator: SIGONA
Referred To: Not reported
Reported to Dept: 3/23/1990
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 4/19/1990
Spill Record Last Update: 10/26/2000
Spiller Name: MIKE MEOLA
Spiller Company: EXXONMOBIL CORPORATION
Spiller Address: 464 DOUGHTY BLVD
Spiller City,St,Zip: INWOOD, NY 11096
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 93533
DEC Memo: Not reported
Remarks: SPILLER WASHED GASOLINE IN SEWER.

MOBIL S/S#17-AML (Continued) **S104513535**

Material:

Site ID:	106112
Operable Unit ID:	937898
Operable Unit:	01
Material ID:	441654
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	9406927
Facility Type:	ER
DER Facility ID:	93533
Site ID:	106114
DEC Region:	2
Spill Date:	8/22/1994
Spill Number/Closed Date:	9406927 / 3/29/1995
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	8/22/1994
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Responsible Party
Cleanup Ceased:	3/29/1995
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	10/21/1994
Spill Record Last Update:	10/26/2000
Spiller Name:	MIKE MEOLA
Spiller Company:	EXXONMOBIL CORPORATION
Spiller Address:	464 DOUGHTY BLVD
Spiller City,St,Zip:	INWOOD, NY 11096
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Not reported
Remarks:	SECONDARY CONTAINMENT UNDER DISPENSES.

Material:

Site ID:	106114

MOBIL S/S#17-AML (Continued) **S104513535**

Operable Unit ID:	1001225
Operable Unit:	01
Material ID:	564335
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0401621
Facility Type:	ER
DER Facility ID:	93533
Site ID:	106111
DEC Region:	2
Spill Date:	5/14/2004
Spill Number/Closed Date:	0401621 / 10/18/2005
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	DKHARRIN
Referred To:	Not reported
Reported to Dept:	5/14/2004
CID:	403
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/14/2004
Spill Record Last Update:	10/18/2005
Spiller Name:	FRANK MESSINA
Spiller Company:	EXXON MOBIL CORP
Spiller Address:	1545 ROUTE 22 EAST
Spiller City,St,Zip:	ANNANDALE, NJ 08801
Spiller Company:	001
Contact Name:	FRANK MESSINA
Contact Phone:	(908) 730-2055
DEC Memo:	10/18/2005: Site remediation being tracked under spill no. 92-07631. (Harrington)
Remarks:	sheen of product detected in the onsite monitoring well

Material:

Site ID:	106111
Operable Unit ID:	883473
Operable Unit:	01

MOBIL S/S#17-AML (Continued) **S104513535**

Material ID:	492817
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	9207631
Facility Type:	ER
DER Facility ID:	93533
Site ID:	106113
DEC Region:	2
Spill Date:	10/1/1992
Spill Number/Closed Date:	9207631 / Not Reported
Spill Cause:	Housekeeping
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	RXKEATIN
Referred To:	Not reported
Reported to Dept:	10/1/1992
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	4
Date Entered In Computer:	10/2/1992
Spill Record Last Update:	9/11/2014
Spiller Name:	FRANK MESSINA
Spiller Company:	EXXONMOBIL CORP
Spiller Address:	1545 ROUTE 22 EAST
Spiller City,St,Zip:	ANNANDALE, NJ 08801
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	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

MOBIL S/S#17-AML (Continued) **S104513535**

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.May 2010 - Implementation of the RAP began on March 28, 2007. Three rounds of ISCO injections have been completed since this work plan was approved. A Remedial Action Report was received on September 11, 2007 and comments were issued on September 27, 2007. A RAR Addendum was received on November 7, 2007 and was approved on November 28, 2007. The Site Status Update Report was received on April 24, 2008 and a Supplemental Remedial Action Plan (SRAP) was received on May 21, 2008. Comments have been issued on the Supplemental Remedial Action Report (June 16, 2008) and SRAP on June 17, 2008. Received request on April 16, 2009 to change the groundwater sampling schedule and this request was approved on May 26, 2009.Another ISCO injection was conducted on July 22-23, 2009. The last SSUR was issued on February 23, 2010. The latest rounds of groundwater samples were collected on December 7, 2009 and March 29, 2010. The results will determine the need for further remedial action in the form of additional ISCO injections.July 2010 - Another ISCO injection was conducted July 27-28, 2010.Oct. 2010 - A SSUR was received.Feb.2011 - An SSUR was received.July 2011 - Another ISCO injection was conducted on July 11-12, 2011. A telephone conference was held with EM and the owner and new developer to discuss the RAWP. They wanted to change the RAWP to minimize the excavation since it wasn't necessary for the new proposed building. Staff said no, follow the RAWP as per the consent order.Sept.2011 - a consultant for the developer submitted a report regarding excavation at the site, again, trying to minimize the excavation. This is being reviewed by staff. SSUR was submitted on 9/9/11.Oct.2011 - the report and data were reviewed by staff. It contained a vague proposal for limited excavation at the site. The proposal was rejected by staff.11/22/2011 - Site transferred to R. Keating for management.12/13/2011 - Site visit made with representatives from ExxonMobil, Kleinfelder, Langan, Mueser Rutledge, and Madison Equities, LLC. The purpose was to do a site walkover and become familiar with the site.12/20/2011 - Response letter sent to Kleinfelder to the letter they sent on November 1, 2011 regarding modifications to the Supplemental Revised Remedial Action Plan (SRRAP). A conference call was held to discuss the comments presented in the letter. 1/25/2012 - Kleinfelder submitted a revised SRRAP. Comments were sent via email to add specific

MOBIL S/S#17-AML (Continued) **S104513535**

groundwater goals to the SRRAP so that the remediation can be monitored more closely to determine if remedial goals are being achieved. The consultant is revising the report. 2/28/2012 - The SRRAP was approved.4/26/2012 - The start of the Remedial Action is planned for the spring of 2012. The site owner is in the process of obtaining permits to do the work.5/24/2012 - The SSUR was submitted. 7/24/2012 - Klienfelder indicated that the site owner still has not received permits to discharge water into the sewer system. They indicated that the site owner is still in the process of obtaining permits to do the work.8/20/2012 - The developer having some difficulty obtaining the dewatering discharge permits. They anticipate starting the work under the SRRAP in fourth quarter of 2012.11/26/2012 - Klienfelder asked for an interpretation of the limits of the excavation as detailed in the SRRAP. The developer seemed satified with the explaination and believes that field work will be done in the spring of 2013. 1/10/2013 - A groundwater sampling event was completed on November 8, 2012 and a SSUR will be submitted to the on January 15, 2013. Development activities have not yet started at the site, but is anticipated to start in the near future since the remedial agreement between ExxonMobil and the site developer is close to approval.2/25/2013 - There are still some permit issued holding up the start of this project. It might be April that the developer starts work.6/24/2013 - The developer's construction plans have changed and the consultant is in the process of reviewing the developer's changes. They will evaluate the possible effects to the Revised Supplemental Remedial Action Plan (RSRAP) that was approved on February 28, 2012.8/16/2013 - A new development plan may be proposed for this site. It might impact the approved SRRAP.12/24/2013 - The consulant indicated that all the off site wells were being destroyed in the process of shoring the side walls of the excavation for the construction of the new building. These wells will be replaced after the constuction work is done.12/24/2013 - The consulant indicated that all the off site wells were being destroyed in the process of shoring the side walls of the excavation for the construction of the new building.01/28/2014 - The consulant submitted a plan which was approved to destroy all site wells and conduct temporary groundwater sampling. This was necessary in order to do shoring for the construction of the new building. New permanent wells will be installed after the shoring is complete.04/28/2014 - The consulant indicated that excavation activities will begin in early May 2014.6/26/2014 - Field work began in May 2014 with the excavation shoring being installed. There were two site visits done with the DEC where the contractor and consultant conducted test pits down to 23 feet below surface. It was clear that a significant contaminated layer was evident from about 18 ft down. More test pits will be done after additional fill material above the contaminated zone is remove.9/11/2014 - Field work continues at this site with the excavation down to the bottom depth across about half the site. Additional site visits were done by the DEC when the contractor did end point sampling and applied ORC to the groundwater. Addition end point sampling is planned as the excavation continues.

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

Material:
Site ID: 106113
Operable Unit ID: 974446

MOBIL S/S#17-AML (Continued) **S104513535**

Operable Unit:	01
Material ID:	408258
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	True
Site ID:	106113
Operable Unit ID:	974446
Operable Unit:	01
Material ID:	2106632
Material Code:	1213A
Material Name:	MTBE (METHYL-TERT-BUTYL ETHER)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	True

Tank Test:

Facility ID:	0411106
Facility Type:	ER
DER Facility ID:	93533
Site ID:	336359
DEC Region:	2
Spill Date:	1/13/2005
Spill Number/Closed Date:	0411106 / 10/18/2005
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	DKHARRIN
Referred To:	Not reported
Reported to Dept:	1/13/2005
CID:	444
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1/18/2005
Spill Record Last Update:	10/18/2005
Spiller Name:	FRANK MESSINA
Spiller Company:	EXXON MOBIL CORP
Spiller Address:	1545 ROUTE 22 EAST

MOBIL S/S#17-AML (Continued) **S104513535**

Spiller City,St,Zip: ANNANDALE, NJ 08801
Spiller Company: 001
Contact Name: FRANK MESSINA
Contact Phone: (908) 730-2055
DEC Memo: 10/18/2005: Site remediation being tracked under spill no. 92-07631. (Harrington)
Remarks: APX. 3 INCHES OF GASOLINE, DETECTED FLOATING IN MONITORING WELL: GASOLINE WILL BE VACED WITH A VAC TRUCK:

Material:
Site ID: 336359
Operable Unit ID: 1098385
Operable Unit: 01
Material ID: 578555
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

354
SE
1/4-1/2
0.350 mi.
1847 ft.

211 WEST BROADWAY **NY LTANKS** **S104621175**
211 WEST BROADWAY **N/A**
NEW YORK, NY

Relative:
Higher

Actual:
17 ft.

LTANKS:
Site ID: 310138
Spill Number/Closed Date: 0003715 / 11/14/2013
Spill Date: 6/26/2000
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: VXBREVDO
Referred To: Not reported
Reported to Dept: 6/26/2000
CID: 281
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 6/26/2000
Spill Record Last Update: 11/14/2013
Spiller Name: DAVID STERN/EMPIRE FUEL
Spiller Company: UNKNOWN

211 WEST BROADWAY (Continued) **S104621175**

Spiller Address:	211 WEST BROADWAY
Spiller City,St,Zip:	NEW YORK, NY -
Spiller County:	001
Spiller Contact:	DAVID STERN
Spiller Phone:	(718) 627-5100
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	250361
DEC Memo:	10/25/05spoke with Renee at Empire fuel. Faxed her spill report. waiting for reply. Scott ReichingerPrior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"01/26/04Transferred from Rommel to Austin02/17/04: Reassigned from AUSTIN to KRIMGOLD.07/16/13 - Spill Case is transferred from Leszek Zielinski (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision - Tank Test Failure Spill Case. VB07/24/13 - Called David Stern of Hess. Mr. Stern followed up with the following e-mail:Vadim, Empire State Fuel was sold in 2008. We no longer have their records. There is a notation on the account that Andrews Building Corp hired AL Eastmond in June of 2000. I have no other information. AL Eastmond is 718-378-3000. Sorry I can't be of more help. David Stern Manager, Burner ServiceHess CorporationDirect 718.665.5700 Mobile 718.644.9746Fax 718.621.8119DStern@hess.com www.hessenergy.com07/24/13 - Called Neal of Al Eastmond at 718-378-3000. Neal stated he does not have records prior to 2006 but will double check. I stated that if he has records of tank tests after 2000 in the folloiwng years, it still would be helpful. I gave Nean my phone number and e-mail address. Neal said will get back to me in a few days. V. Brevdo11/14/2013 - V. BrevdoThis tank test failure can not be confirmed. Department's file does not contain documents or information indicating tank actually failed. The Department does not appear to have sent Tank Test Failure letter to RP or site owner. Attempts to locate any documents/information concerning alleged tank test failure did not yield any information which would enable the Department to persue this alleged tank test failure. The structure at the indicated address is a six story residential building. In the absence of major site redevelopment, removal of concrete floor slab, soil excavation or soil disturbance on the site human exposure would be highly unlikely. Given lack of documents/informaton which would verify tank test failure, date of the spill case - 13 years ago from today, fact that the Department does not appear to have sent TTF/Violation letter to site owner, little to none risk of human exposure under the current site conditions, the Department does not see environmental or human health benefits in keeping this spill case open. Therefore, spill case is closed effective 11/14/2013. V.B.
Remarks:	TANK TEST FAILURE AT ABOVE LOCATION. PROPERTY IS RESIDENTAL/COMM.CALLER HIRED BY EMPIRE FUELS. FURTHER TESTING TO BE PERFORMED.NO CALL BACK REQEUSTED.

Material:

Site ID:	310138
Operable Unit ID:	826103
Operable Unit:	01
Material ID:	548467
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported

211 WEST BROADWAY (Continued) **S104621175**

Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	310138
Spill Tank Test:	1525722
Tank Number:	1
Tank Size:	1080
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

AF355 **SPRING AMERICA** **NY LTANKS** **S102672767**
ENE **161 6TH AVENUE** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.354 mi.
1869 ft. **Site 3 of 3 in cluster AF**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	273478
Spill Number/Closed Date:	9413221 / 1/4/1995
Spill Date:	1/4/1995
Spill Cause:	Tank Overfill
Spill Source:	Unknown
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1/4/1995
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	JMKRIMGO
Referred To:	Not reported
Reported to Dept:	1/4/1995
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/17/1995
Spill Record Last Update:	2/18/2003
Spiller Name:	Not reported
Spiller Company:	WHALECO FUEL OIL CO
Spiller Address:	1 COFFEY STREET
Spiller City,St,Zip:	BROOKLYN, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported

SPRING AMERICA (Continued) **S102672767**

DEC Region: 2
DER Facility ID: 222487
DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "KRIMGOLD"
Remarks: OVERFILLED TANK SPILLED ON SIDEWALK- DRIVER WAITING FOR A REP. FROM COMPANY TO WM AND CLEAN UP

Material:
Site ID: 273478
Operable Unit ID: 1006843
Operable Unit: 01
Material ID: 371967
Material Code: 0002A
Material Name: #4 Fuel Oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 5
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

356
North
1/4-1/2
0.363 mi.
1915 ft.

Relative:
Higher

Actual:
10 ft.

SPILL NUMBER 0103173 **NY LTANKS S102619295**
560 WASHINGTON ST **NY Spills N/A**
MANHATTAN, NY

LTANKS:
Site ID: 197877
Spill Number/Closed Date: 9702743 / 6/4/1997
Spill Date: 6/3/1997
Spill Cause: Tank Failure
Spill Source: Commercial Vehicle
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: MCTIBBE
Referred To: Not reported
Reported to Dept: 6/3/1997
CID: 211
Water Affected: Not reported
Spill Notifier: Fire Department
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 6/3/1997
Spill Record Last Update: 7/2/2004
Spiller Name: Not reported
Spiller Company: AIRBORNE EXPRESS
Spiller Address: 1531 PAPPETTI PLAZA

SPILL NUMBER 0103173 (Continued) **S102619295**

Spiller City,St,Zip:	ELIZABETH, NJ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	164675
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"HANDLED BY FDNY & NYCDEP
Remarks:	CALLER REPORTS FUEL TANK ON VEHICLE HAD PUNCTURE HOLE IN IT - FD ON SCENE CONTAINED SPILL - APPROX 10 GALS WENT INTO SEWER

Material:

Site ID:	197877
Operable Unit ID:	1045474
Operable Unit:	01
Material ID:	335675
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	40
Units:	Gallons
Recovered:	30
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	1406423
Facility Type:	ER
DER Facility ID:	164675
Site ID:	499891
DEC Region:	2
Spill Date:	9/9/2014
Spill Number/Closed Date:	1406423 / 9/16/2014
Spill Cause:	Unknown
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	9/16/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

SPILL NUMBER 0103173 (Continued) **S102619295**

Date Entered In Computer:	9/16/2014
Spill Record Last Update:	9/16/2014
Spiller Name:	Not reported
Spiller Company:	N/A
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	NYC DEP
Contact Phone:	Not reported
DEC Memo:	Called in by DEP sewer maintainence. Was unsure if incident had spill number. Spill 1406172 already called in by FDNY on 9/914. The spill was reported as cleanup complete. This spill closed as well.
Remarks:	spill to roadway and sewer/no clean up at this time

Material:

Site ID:	499891
Operable Unit ID:	1249298
Operable Unit:	01
Material ID:	2250866
Material Code:	0015
Material Name:	Motor Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Facility ID:	0103173
Facility Type:	ER
DER Facility ID:	164675
Site ID:	197876
DEC Region:	2
Spill Date:	6/22/2001
Spill Number/Closed Date:	0103173 / 6/29/2001
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	MXTIPPLE
Referred To:	Not reported
Reported to Dept:	6/22/2001
CID:	205
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	6/22/2001

SPILL NUMBER 0103173 (Continued) **S102619295**

Spill Record Last Update:	6/29/2001
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller Company:	001
Contact Name:	CALLER
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"6/29/01 MANIFEST FOR DISPOSAL FORWARDED TO DEPARTMENTROOFTOP SPILL DURING GENERATOR INSTALLATION, NO DISCHARGE TO GROUND OR SEWER
Remarks:	leak in pipe. spill on roof. fire dept on scene.

Material:

Site ID:	197876
Operable Unit ID:	841878
Operable Unit:	01
Material ID:	535267
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	55
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

357
East
1/4-1/2
0.366 mi.
1931 ft.

BUILDING SERVICES HQ DEP -DDC **NY LTANKS** **S100153666**
58-52 GRAND AVENUE **N/A**
NEW YORK CITY, NY

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	167948
Spill Number/Closed Date:	9101777 / 2/18/2005
Spill Date:	5/14/1991
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	4101
Investigator:	ADZHITOM
Referred To:	Not reported
Reported to Dept:	5/14/1991
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0

BUILDING SERVICES HQ DEP -DDC (Continued) **S100153666**

Date Entered In Computer:	5/15/1991
Spill Record Last Update:	2/18/2005
Spiller Name:	Not reported
Spiller Company:	NYCDEP
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	141498
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ZHITOMIRSKY"TRANSFERRED FROM Y.KRIMGOLD. The site managed by Y. Krimgold and then transferred to A. Zhitomirsky. The site was remediated under NYCDDC Consent Order. The site was initially managed by URS and then transferred to PMS/Shaw. ORC socks were used as a remedial technology.NFA letter was issued on 6/23/2004. Alex Zhitomirsky 2/18/2005
Remarks:	(2) 550GAL TANKS MANIFOLDED FAILED AIR PRESSURE TEST,2LB/1/2HR,WILL EXCAVATE & INVESTIGATE. Also see spill # 9610043.

Material:

Site ID:	167948
Operable Unit ID:	952886
Operable Unit:	01
Material ID:	424318
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	167948
Spill Tank Test:	1538551
Tank Number:	Not reported
Tank Size:	0
Test Method:	00
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Unknown

AG358 **L. PROVENZANO INC** **NY LTANKS** **U001841050**
SSE **180 WEST BROADWAY** **NY UST** **N/A**
1/4-1/2 **NEW YORK, NY 10013** **NY HIST UST**
0.377 mi. **NY Spills**
1988 ft. **Site 1 of 2 in cluster AG**

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	332742
Spill Number/Closed Date:	0408104 / 3/25/2005
Spill Date:	10/21/2004
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	KMFOLEY
Referred To:	Not reported
Reported to Dept:	10/21/2004
CID:	408
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	10/21/2004
Spill Record Last Update:	3/25/2005
Spiller Name:	GERALD HICKSON
Spiller Company:	GAS STATION
Spiller Address:	180 BROADWAY
Spiller City,St,Zip:	NEW YORK, NY
Spiller County:	001
Spiller Contact:	GERALD HICKSON
Spiller Phone:	(631) 581-4058
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	267952
DEC Memo:	10/22/04 Notes from Tipple:P. Brinckerhoff investigating for potential buyer.Ross Provenzano owner's rep.Found 4-550 previously abandoned tanks 1" gasoline on the water table, GW at +-12" Contaminated soil3/25/05 Reassigned from Rommel to Foley. Changed address from 180 Broadway to 180 West Broadway. Investigation/remediation to be completed under spill #0408744.(KMF)
Remarks:	PHASE 2 INVESTIGATION, GEOPROBE WORK, WITH AN OLD GAS STATION. 4 TANKS THERE. GASOLINE IS IN SOIL SURROUNDING TANKS AND ON THE GROUNDWATER TABLE.

Material:

Site ID:	332742
Operable Unit ID:	1094954
Operable Unit:	01
Material ID:	575087
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported

L. PROVENZANO INC (Continued) **U001841050**

Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

UST:
Id/Status: 2-481947 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 10/05/1995
UTM X: 583876.10672000004
UTM Y: 4507938.1672799997
Site Type: Unknown

Affiliation Records:
Site Id: 21574
Affiliation Type: Facility Owner
Company Name: ROSS PROVENZANO INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 180 WEST BROADWAY
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 226-6836
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 21574
Affiliation Type: Mail Contact
Company Name: ROSS PROVENZANO INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 180 WEST BROADWAY
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10013
Country Code: 001
Phone: (212) 226-6836
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 21574
Affiliation Type: On-Site Operator
Company Name: L. PROVENZANO INC
Contact Type: Not reported

L. PROVENZANO INC (Continued) **U001841050**

Contact Name:	ROSS PROVENZANO INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-6836
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	21574
Affiliation Type:	Emergency Contact
Company Name:	ROSS PROVENZANO INC
Contact Type:	Not reported
Contact Name:	ROSS PROVENZANO INC
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-6836
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	41149
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

L. PROVENZANO INC (Continued) **U001841050**

I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	002
Tank ID:	41150
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	003
Tank ID:	41151
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

L. PROVENZANO INC (Continued) **U001841050**

Equipment Records:

I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	004
Tank ID:	41152
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	005
Tank ID:	41153
Tank Status:	Closed Prior to Micro Conversion, 03/91
Material Name:	Closed Prior to Micro Conversion, 03/91
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline

L. PROVENZANO INC (Continued) **U001841050**

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number: 006
Tank ID: 41154
Tank Status: Closed Prior to Micro Conversion, 03/91
Material Name: Closed Prior to Micro Conversion, 03/91
Capacity Gallons: 550
Install Date: Not reported
Date Tank Closed: Not reported
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

HIST UST:
PBS Number: 2-481947
SPDES Number: Not reported
Emergency Contact: ROSS PROVENZANO INC
Emergency Telephone: (212) 226-6836
Operator: ROSS PROVENZANO INC
Operator Telephone: (212) 226-6836
Owner Name: ROSS PROVENZANO INC

L. PROVENZANO INC (Continued) **U001841050**

Owner Address:	180 WEST BROADWAY
Owner City,St,Zip:	NEW YORK, NY 10013
Owner Telephone:	(212) 226-6836
Owner Type:	Not reported
Owner Subtype:	Not reported
Mailing Name:	ROSS PROVENZANO INC
Mailing Address:	180 WEST BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10013
Mailing Contact:	Not reported
Mailing Telephone:	(212) 226-6836
Owner Mark:	First Owner
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.
Facility Addr2:	180 WEST BROADWAY
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	Not reported
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	10/09/1990
Expiration Date:	10/05/1995
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	0
FAMT:	True
Facility Screen:	Minor Data Missing
Owner Screen:	Minor Data Missing
Tank Screen:	0
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2

Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported

L. PROVENZANO INC (Continued) **U001841050**

Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	002
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	003
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported

L. PROVENZANO INC (Continued) **U001841050**

Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	004
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False
Lat/long:	Not reported

Tank Id:	005
Tank Location:	UNDERGROUND
Tank Status:	Closed Before April 1, 1991
Install Date:	Not reported
Capacity (gals):	550
Product Stored:	UNLEADED GASOLINE
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	None
Leak Detection:	None
Overfill Prot:	Not reported
Dispenser:	Suction
Date Tested:	Not reported
Next Test Date:	Not reported
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Not reported
Deleted:	False
Updated:	False

L. PROVENZANO INC (Continued) **U001841050**

Lat/long: Not reported

Tank Id: 006
Tank Location: UNDERGROUND
Tank Status: Closed Before April 1, 1991
Install Date: Not reported
Capacity (gals): 550
Product Stored: UNLEADED GASOLINE
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Tank External: Not reported
Pipe Location: Not reported
Pipe Type: STEEL/IRON
Pipe Internal: Not reported
Pipe External: Not reported
Second Containment: None
Leak Detection: None
Overfill Prot: Not reported
Dispenser: Suction
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: False
Lat/long: Not reported

SPILLS:
Facility ID: 0408744
Facility Type: ER
DER Facility ID: 267952
Site ID: 333481
DEC Region: 2
Spill Date: 11/6/2004
Spill Number/Closed Date: 0408744 / 9/27/2010
Spill Cause: Unknown
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS: 3101
Investigator: jamaison
Referred To: CLOSED
Reported to Dept: 11/8/2004
CID: 407
Water Affected: Not reported
Spill Source: Unknown
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 11/8/2004
Spill Record Last Update: 9/27/2010
Spiller Name: MIKE BULLOCK

L. PROVENZANO INC (Continued) **U001841050**

Spiller Company: Not reported
Spiller Address: Not reported
Spiller City,St,Zip: ***Update***, ZZ
Spiller Company: 001
Contact Name: MIKE BULLOCK
Contact Phone: (718) 391-1218
DEC Memo: See PBS # 2-336785 (and 2-481947 unregulated)former gas station at this location, corner of Leonard Street and West Broadway is synonymous with 180 West Broadway. Groundwater well installed, GW at 9' , well screaned from 5'-15'. Petroleum found appeared to be gasoline as per discussion with Mr. Bullock. Sample will be analyzed within the next week.11/9/04 Reassigned from Rommel to Foley.(KMF)12/8/04 Issued contaminated soil/gw letter. Report to be submitted 2/8/05.1/14/05 Spoke to Sue Bianchetti, Parsons Brinkerhoff (212-465-5419, Home 631-673-4653). Will send copies of Phase I and Phase II reports next week. Will also prepare a workplan to be submitted the week of 1/24/05. Site is currently occupied by a car dealership, a bar (Buster's Garage) with a parking lot. An apartment building is proposed. Construction is to include dewatering (GW at 9-10'bgs).1/26/05 Received Phase I and Phase II reports from Parsons Brinkerhoff. Pending submittal of a workplan.The site was operated as a gas station from approx 1950 to at least 1985. The site is currently occupied by two commerical establishments in the first floor of the building. A car dealership occupies the northern portion of the building and a restaurant/bar occupies the southern portion. Business offices are located in the second and third floors.Six gas tanks are shown on the Sanborn maps. The PBS database lists six 550gal gas USTs which were closed before 1/1/91 and are registered to L. Provenzano, the current property owner. An oil water separator with a 1275gal UST is apparently located beneath the floor of the restaurant. A site investigation was performed 10/20/04-10/22/04. GW was encountered at approx 10'bgs. Bedrock at approx 93'bgs. There is a subway structure located beneath W Broadway at about 23-24' deep.Six soil borings were drilled by Geoprobe to depths between 10 and 16'bgs. One inch of free product was detected in GH-4 during sample collection. The only soil sample that exhibited VOC impacts is GH-3, which is located at the area of suspected gasoline USTs, but no BTEX. Fingerprint analysis for GH-3 identified gasoline. The other samples returned as an unknown diesel range organic.Semivolatiles were identified above soil cleanup guidance in GH-1 and GH-6 and, to a lesser extent, GH-2.Barium, lead and mercury were detected above cleanup guidance in GH-1, GH-2(lead,mercury) and GH-3(mercury).The presence of fill material and lack of GW infiltration prevented GW samples from being collected.PB recommends that all the identified USTs on site be removed with impacted soils. if contaminated soils remain due to constraints from the building, PB is recommending another remedial measure such as bioremediation or soil venting.3/1/05 Spoke to Sue Bianchetti, PB. Will submit workplan by the end of this week or beginning of next week.4/18/05 Received draft RAP dated April 2005. The buyer plans to demolish the existing building and construct a 13-story mixed-use (retail & residential) building comprised of 89,722 sq ft. Potential sources include the former gas USTs which were abandoned in place, the oil/water separator UST(there is no documentation indicating these were properly closed), and possibly fill materials.6/13/05 Conditionally approved Draft RAP. Will be removing tanks and source materials followed by post-ex sampling. Hot spots exist along

L. PROVENZANO INC (Continued) **U001841050**

northeast(gasoline) and along the east(fuel oil or waste oil). No groundwater data to date. Will be dewatering for approx 3 months. Samples will be taken every week prior to discharge by NYC permit. Requested two additional well points(adjacent to GH-1 and GH-4) in addition to the three that they had proposed. Samples at highest PID and directly above watertable. Analysis by 8021+MTBE and 8270. Also specified that the Dept may require a supplemental RAP depending upon groundwater conditions which would address GW and possibly vapor mitigation/investigation.6/20/05 Conference call with Rory Levy and John Lousinger, NYC Board of Standards and Appeals(BSA), Susan Shaw and Ross Markowitz of Strook, Sue Bianchetti of Parsons Brinkerhoff(PB).7/26/05 Letter from PB received which confirms they will be doing work as per 6/13/05 letter.8/18/05 Stipulation mailed out, due back 9/8/05.1/5/06 Update from Sue Bianchetti, Parsons Brinkerhoff. Still going through NYC Board of Standards and Appeals hearings. Redesigning building and renegotiating lease. Possibly do more phase I on other portion/parking lot.6/30/06 DEC lead transferred from K. Foley to J.A. Maisonave. - JAM7/27/06 Received call from Susan Bianchetti from Parsons Brinkerhoff (PB). PB plans to start work on the site in August and needs to obtain a sidewalk permit. The remediation plan includes excavating the entire site for the basement of an apartment building and disposing of soil. Groundwater is around 10 feet and the excavation will go down to 14 feet. The area will be continuously dewatered during excavation and for three months after. - JAM8/1/06 I composed a letter requesting all NYC agencies cooperation in expediting the remediation of this site. PB will use this to obtain a DOT sidewalk permit. - JAM10/10/06 Received a call from S. Bianchetti, PB. She requests changing the locatation of the upgradient monitoring well from the southeast corner of W. Broadway and Leonard to the northeast corner of W. Broadway and Leonard and if I can revise the Sidewalk Permit accodingly. I agreed and sent the new sidewalk permit via email and regular mail. Revised sidewalk permit in edocs. - JAM6/13/07 Call from Sue Bianchetti from PB. Ms. Bianchetti said the building has been demolished and all tanks are removed. They have begun excavating the site. Analytical showed that downgradient wells have hits for petroleum related VOCs. I asked her to send me an email with some more details. - JAM2/21/08 Visited the site today to meet with Sue Bianchetti from PB. Site has been excavated below the water table and the dewatering system has been running. Water is being treated and discharged on-site. The two downgradient wells could not be located. One must have been paved over in the parking garage and the other covered in the showroom for the coming apartments/condos. I asked Ms. Bianchetti for more frequent site updates as well as quarterly groundwater sampling. If the wells cannot be located then they would have to be replaced. I also would like samples taken from the dewatering system before the treatment system to see if the residual dissolved phase contaminants are present. - JAM9/26/08 Reviewed the Groundwater Monitoring Report submitted by PB Americas, Inc. dated June 2008. The report was submitted to the DEC on September 3, 2008. The report summarizes remedial and construction activities performed at the site and the January 2007 and March/April 2008 sampling events. To date Six USTs and one oil/water separator was removed along with all contaminated soil on the property. The site was continuously dewartered for a period of nearly 6 months beginning in February 2008.The January 2007 sampling event (prior to dewartering) showed VOCs in wells MW-3 and MW-4. On March 31 and April 1, 2008,

L. PROVENZANO INC (Continued) **U001841050**

groundwater samples were collected from MW-2, MW-3, Temp. well (located near MW-1 and used to monitor groundwater levels beneath the site) and at the pre-treatment tank of the dewatering system. The only VOC detected was Benzene at 6.6ug/L at the pre-treatment tank. MW-1 and MW-4 were not sampled because they were destroyed. Report uploaded to eDocs.I met with representatives from PB America and the property owner at the site today to discuss future work. I requested that a monitoring well be installed near former well MW-4 and at least one additional round of groundwater sampling be conducted. When the new well is installed and groundwater samples are collected, a comprehensive summary report will be submitted with recommendations. - JAM2/23/09 Reviewed the Remedial Closure Report submitted by Parsons Brinkerhoff (PB) dated January 30, 2009. The report summarizes all investigation and remediation performed at the site and includes all analytical data in the appendices. In April and October 2008, groundwater was monitored from all accessible monitoring wells. Upgradient well MW-2 and downgradient well MW-3 were ND both rounds. Another downgradient well MW-4 was only sampled in October 2008 and benzene, ethyl benzene and N-propylbenzene were detected above TOGs.PB states that "The contamination in MW-4 appears to be from a localized source in the vacinity or some other off-site source not associated with the Site." I called Kevin Heaphy at (212) 465-5092 and stated that there are no obvious sources for the contamination in well MW-4 and requested that wells MW-3 and MW-4 be sampled once more for VOCs. Spill closure will be reevaluated when those samples are returned. The report is uploaded to eDocs without appendicces. - JAM3/26/09 Reviewed Groundwater Monitoring Report for March 2009 submitted by Parsons Brinkerhoff (PB) dated March 19, 2009. Wells MW-3 and MW-4 were sampled on March 2, 2009 and the results showed an increase since the last monitoring event in October, 2008.I had a conference call with R Squared and PB and requested another round of GW sampling. I also suggested that either an ORC sock be installed or using ChemOx to try and bring the VOCs down in well MW-4. The report is uploaded to eDocs. - JAM4/1/09 RSquared requested that I send a letter to DEP stating that "based on the available information, the on-site contamination has been adequately remediated and will pose no threat to future occupants of the on-site building." The letter was sent to:Calissta NazaireNYCDEP59-17 Junction Blvd.Elmhurst, NY 11372The letter is uploaded to eDocs. - JAM4/30/10 Received the Groundwater Monitoring Report From Offsite Wells dated March 10, 2010 and submitted April 2, 2010. Monitoring wells MW-3 and MW-4 were sampled on February 25, 2010. Total VOCs in well MW-3 decreased to nearly ND levels since the last monitoring event on March 2, 2009. The only VOC detected above TOGS was Benzene at an estimated value of 0.92ug/L. Total VOCs in well MW-4 increased from 366ug/L to 635ug/L.I spoke to Kevin Heaphy at PB who said that ownership of the property has transfered to R Squared to iStar Financial. After our discussion I received the following follow-up email from Mr. Heaphy:"Based on our discussion today, the DEC’s position and potential directives are as follows:1. Attributing the offsite contamination to the spill at the site.2. It is the responsibility of the owner to show/document any other sources of contamination.3. Conduct quarterly ground water sampling. The next sample round should be done in May 2010.4. [Conduct] Quarterly water level measurements in all available wells. Provide a groundwater flow direction and hydraulic gradient map.5. Look into the laboratory QA/QC related to the sample dilutions. You were concerned that the

L. PROVENZANO INC (Continued) **U001841050**

diluted samples in the last round since they were about half the value of the undiluted samples for some constituents.I explained that the delay in the sampling you asked for last year was due to property transfer issues and that we were not authorized to perform this work until this year.We also know you requested installation of ORC socks. However, the client (IStar) wanted to first determine the groundwater conditions at this time.The DEC is willing to meet with PB when possible. However, you recommend we do so after the next round of sampling is complete.I will discuss these items with our client and get back to you asap." - JAM9/27/10 Received the Groundwater Monitoring Report dated and submitted on July 29, 2010 by Parsons Brinkerhoff (PB). Monitoring wells MW-3 and MW-4 were sampled on June 23, 2010. Total VOCs in well MW-3 decreased to nearly ND levels since the last monitoring event on February 25, 2010. Two VOCs were detected below TOGS. Total VOCs in well MW-4 decreased from 635ug/L to 250ug/L with five individual VOCs slightly above TOGS. PB recommends closure of this spill case. Report uploaded to eDocs.The source material has been removed during remediation performed in 2008. Relatively minor residual, dissolved-phase contamination remains in one downgradient monitoring well, which has exhibited a decreasing trend. It is believed that the residual contamination will continue to attenuate. This spill case is closed and a copy of the closed spill report was emailed to the responsible party. - JAM

Remarks: Not reported

Material:

Site ID:	333481
Operable Unit ID:	1095636
Operable Unit:	01
Material ID:	575757
Material Code:	0066A
Material Name:	UNKNOWN PETROLEUM
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False
Site ID:	333481
Operable Unit ID:	1095636
Operable Unit:	01
Material ID:	575759
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

359 East 1/4-1/2 0.377 mi. 1989 ft.

W & J GARAGE
360 WEST BROADWAY
NEW YORK, NY 10013

NY LTANKS
NY UST
NY Spills

U000409045
N/A

Relative: Higher

Actual: 10 ft.

LTANKS:

Site ID:	270284
Spill Number/Closed Date:	9405382 / 7/7/2000
Spill Date:	7/20/1994
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	7/20/1994
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/11/1994
Spill Record Last Update:	7/11/2006
Spiller Name:	Not reported
Spiller Company:	W & J GARAGE PARKING
Spiller Address:	356- 360 W. BRAODWAY
Spiller City,St,Zip:	NEW YORK, NY
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	220105
DEC Memo:	Switched from Tibbe to Tomasello on 5/2/2000. Fenley & Nicol Environmental did subsurface investigation. Contamination was found again. Awaiting a report.7/7/2000 - S. Miller closed spill report No. 9405382 as per former spill responder C.P. Tomasselo's closure of apperent duplicate spill report 9411507 on 5/17/2000. Reportedly, closure work and recently submitted report by F&N for 356-360 W. Broadway, Manhattan was adequate. Cross referencing spill report numbers was entered into database. As per spill report No. 9411507, file had been archived.
Remarks:	DISCOVERED SOIL IN TANK PULL- MARK TIBBE IS AWARE OF SITE.

Material:

Site ID:	270284
Operable Unit ID:	1002588
Operable Unit:	01
Material ID:	381971
Material Code:	0009
Material Name:	Gasoline
Case No.:	Not reported
Material FA:	Petroleum

W & J GARAGE (Continued) **U000409045**

Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

Site ID: 270285
Spill Number/Closed Date: 9411507 / 6/20/2000
Spill Date: 8/10/1994
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: TOMASELLO
Referred To: Not reported
Reported to Dept: 11/29/1994
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: True
Remediation Phase: 0
Date Entered In Computer: 1/12/1995
Spill Record Last Update: 11/14/2000
Spiller Name: Not reported
Spiller Company: W & J GARAGE
Spiller Address: 360 WEST BROADWAY
Spiller City,St,Zip: NEW YROK, NY 10013-
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 220105
DEC Memo: Not reported
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.

Material:
Site ID: 270285
Operable Unit ID: 1005254
Operable Unit: 01
Material ID: 569956
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0

W & J GARAGE (Continued) **U000409045**

Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

UST:
Id/Status: 2-349720 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 05/19/1998
UTM X: 584224.22692000004
UTM Y: 4508495.76346
Site Type: Retail Gasoline Sales

Affiliation Records:
Site Id: 17228
Affiliation Type: Facility Owner
Company Name: DENNIS & DOROTHY FENNELL
Contact Type: Not reported
Contact Name: Not reported
Address1: 9201 SHORE ROAD
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11209
Country Code: 001
Phone: (718) 833-8112
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 17228
Affiliation Type: Mail Contact
Company Name: DENNIS & DOROTHY FENNELL
Contact Type: Not reported
Contact Name: W & J GARAGE INC.
Address1: 9201 SHORE ROAD
Address2: Not reported
City: BROOKLYN
State: NY
Zip Code: 11209
Country Code: 001
Phone: (718) 833-8112
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 17228
Affiliation Type: On-Site Operator
Company Name: W & J GARAGE
Contact Type: Not reported

W & J GARAGE (Continued) **U000409045**

Contact Name:	DENNIS FENNELL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 226-8742
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	17228
Affiliation Type:	Emergency Contact
Company Name:	DENNIS & DOROTHY FENNELL
Contact Type:	Not reported
Contact Name:	DOROTHY FENNELL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(718) 833-8112
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	33592
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	05/01/1976
Date Tank Closed:	10/01/1994
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0000
Common Name of Substance:	Empty

Tightness Test Method:	01
Date Test:	11/01/1988
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping

W & J GARAGE (Continued) **U000409045**

G00 - Tank Secondary Containment - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

SPILLS:

Facility ID:	0007768
Facility Type:	ER
DER Facility ID:	220105
Site ID:	270283
DEC Region:	2
Spill Date:	10/2/2000
Spill Number/Closed Date:	0007768 / 6/3/2009
Spill Cause:	Equipment Failure
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	hrpatel
Referred To:	Not reported
Reported to Dept:	10/2/2000
CID:	396
Water Affected:	Not reported
Spill Source:	Gasoline Station or other PBS Facility
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	10/2/2000
Spill Record Last Update:	6/3/2009
Spiller Name:	Not reported
Spiller Company:	W & J GARAGE PARKING
Spiller Address:	356-360 WEST BROADWAY
Spiller City,St,Zip:	NEW YORK, NY 10013-
Spiller Company:	001
Contact Name:	MARTIN LIPSON
Contact Phone:	(973) 642-5700
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "ROMMEL"This spill case was reassigned from DEC (Sigona) to Rommel on 01/07/2004.Also see Spill Nos. 9405382 & 9411507.On October 16, 2000, DEC Sigona received Phase II Site Investigation report regarding the investigation of this property.7/11/2006 - iabeilby: Contacted caller (Chuck Mulligan at IVI Environmental - 914-694-9600) and he is going to ask the Phase II group to look for any information regarding the spill and get back to the DEC PM.08/18/2006 - iabeilby: Consultant did not get back to DEC PM. Would suggest a site visit and an attempt to contact IVI Environmental again.4/2/09 - Austin - Transferred from Needs Reassignment to Patel for further work to remediate and close - end06/03/09-Hiralkumar Patel.alternate addresses: 356-360 W Broadway, 34-38 Thompson Staccording to property shark, site has two or more story parking garage and property owner is:Deihl Realty Co Inc28 Clinton StNewark NJ 07102-3704PBS #: 2-349720 for W&J Garage. record shows one 2000 gal UST removed in 1994.no other spills (other than 9405382 & 9411507)/PBS record found. <----------review of old file:spill #: 9405382 was reported on 07/20/1994 as found

W & J GARAGE (Continued) **U000409045**

contaminated soil. case closed based on work done under spill #: 9411507.spill #: 9411507 was reported on 11/29/1994 as found contaminated soil. case closed on 06/20/2000 based on report submitted by F&N, dated 05/05/2000. NFA sent on 06/20/2000. F&N installed one boring in the area where the tank was removed in the basement parking garage. boring was installed to depth of 7 ft; groundwater was found at 5 ft depth; collected two soil samples (0-2 ft and 2-4 ft) and found no PID readings. no soil samples collected for analysis. one groundwater sample collected for analysis. no contamination found in groundwater sample.spill #: 0007768 was reported on 10/02/2000 as found soil contamination. this case reported after DEC Chris closed previous case in June 2000.found old hand written notes in old file for the case. this notes were written on 01/25/1985 regarding gasoline odor complaint from next door apartment building. could not find spill number related to this notes. notes from DEC case manager in 1985: "went to the Gulf Garage located at 360 West Broadway, NY regarding a reported complaintof a tenant who lives in a apartment building at 362 West Broadway concerning a strong gasoline odors in his basement. I was unable to locate the complainant at 362 West Broadway but I was informed by an unidentified male tenant that a Mr. Daphnis made the complaint to the NYCFD. He further states that the fire department flushed gasoline out of the two sidewalk sewers that are located in the front of 360 and 362 W. Broadway. I accompained the tenant in the basement at 362 West Broadway and notice a distinct gasoline odor and further that a exhaust fan was put into operating in the basement to help remove the odor. I later ascertained that the fan was installed by employees from Petroleum Construction of Brooklyn, Inc., 1038 Rockaway Ave, Brooklyn, NY telephone (718) 385-8800 who were at this time doing a pressure test on the Gulf tanks at 360 West Broadway. I spoke to the assistant manager of the Gulf Garage who is David Hulse and he states that he lost approximately 62 gal of gasoline in the past two weeks. He states there are three 550 gal tanks and one 2000 gal tank and that all the tanks are filled with water. I checked the two sewer that are located in front of 360 and 362 W Broadway and found product in each sewer. I spoke with Mr. John Sinkiewaicz who is employed as a licensed plumber by Petroleum Construction of Brooklyn, Inc. and he states he was doing a preliminary pressure test on the Gulf tanks and that he did install the exhaust fan in the basement at 362 Weest Broadway. The name of the Gulf garage is 'To West Broadway Garage' operated by W&J Garage Inc., 356-360 W. Broadway and 34-38 Thompson Street, NY, NY telephone CA68742. The garage is managed by Walter and Joseph Fennell. I went to the Cyclone auto service gasoline station at 372 West Broadway, telephone 925- and it appears that this station is permanantly closed. The above mentioned unidentified tenant at 362 West Broadway states that there was an explosion on this station approximately two months ago and the station had been closed since then."also found well gauging report in old file. three wells were gauged on 07/05/1985 on 360 West Broadway and found no product in it. groundwater was found at 9.5 ft bg.also found sewer system map in file.abstract of phase II report, submitted by IVI, dated 09/13/00 (revised 10/05/00):- advanced six borings to a depths ranging between 3 ft to 8 ft bg- no groundwater encountered- elevated PID readings were detected in borings B4 (75 ppm) and B6 (250 ppm)- during the advancement of the boring, the reinforced concrete slab was found to be 2-3 ft thick in the immediate vicinity of the 1,100 gal UST- due to the thickness of the concrete slab and the presence of underground

W & J GARAGE (Continued) **U000409045**

utilities and fill debris, IVI was unable to advance borings in the immediate vicinity of the UST to a sufficient depth to collect soil samples (so no soil samples collected from B1 to B3 and B5)- borings B4 and B6 were advanced, approx. 15 ft away from tank location, to a depth of 8 ft bg where refusal encountered- two soil samples collected: one from B4 and one from B6 with highest PID- found VOC compounds in both samples, but well below TAGM limitbased on all availabe information, case closed.

Remarks: UST has been removed for quite a while...they were done soil sampling and found soil contamination-caller states there was another spill number assigned to this address was hoping to have the same case mngr. assigned to this number.

Material:
Site ID: 270283
Operable Unit ID: 830271
Operable Unit: 01
Material ID: 545294
Material Code: 0009
Material Name: Gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

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360 NE 1/4-1/2 0.386 mi. 2040 ft. **LITTLE RED SCHOOL HOUSE**
40 CHARLTON STREET
MANHATTAN, NY

NY LTANKS **S105997589**
N/A

Relative: Higher

Actual: 21 ft.

LTANKS:
Site ID: 322090
Spill Number/Closed Date: 0209395 / 7/24/2003
Spill Date: 12/12/2002
Spill Cause: Tank Test Failure
Spill Source: Institutional, Educational, Gov., Other
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: JBVOUGHT
Referred To: Not reported
Reported to Dept: 12/12/2002
CID: 266
Water Affected: Not reported
Spill Notifier: Tank Tester
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0

LITTLE RED SCHOOL HOUSE (Continued) **S105997589**

Date Entered In Computer:	12/12/2002
Spill Record Last Update:	7/24/2003
Spiller Name:	MICHELLE
Spiller Company:	LITTLE RED SCHOOL HOUSE
Spiller Address:	40 CHARLTON STREET
Spiller City,St,Zip:	NEW YORK, NY 10014-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	259469
DEC Memo:	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.
Remarks:	TANK IS AN ABOVE GROUND TANK. TO BE EVALUATED AND RETESTED.

Material:

Site ID:	322090
Operable Unit ID:	862511
Operable Unit:	01
Material ID:	516370
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	322090
Spill Tank Test:	1527823
Tank Number:	1
Tank Size:	1500
Test Method:	03
Leak Rate:	0
Gross Fail:	F
Modified By:	Spills
Last Modified:	10/1/2004
Test Method:	Horner EZ Check I or II

AH361 **50 KING STREET** **NY LTANKS** **U003297768**
NE **50 KING STREET** **NY UST** **N/A**
1/4-1/2 **NEW YORK, NY 10014** **NY HIST UST**
0.406 mi. **NY Spills**
2146 ft. **Site 1 of 4 in cluster AH**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	155548
Spill Number/Closed Date:	9212531 / 2/5/1993
Spill Date:	2/4/1993
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	2/5/1993
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	SJMILLER
Referred To:	Not reported
Reported to Dept:	2/4/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Local Agency
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/8/1993
Spill Record Last Update:	2/24/1993
Spiller Name:	Not reported
Spiller Company:	CASTLE HILL SVC
Spiller Address:	Not reported
Spiller City,St,Zip:	BRONX, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	131752
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MILLER"
Remarks:	DURING DELIVERY OIL SPILLED-NO CLEANUP YET NOTIF WANTS CALL BACK

Material:

Site ID:	155548
Operable Unit ID:	979542
Operable Unit:	01
Material ID:	402373
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	-1
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

50 KING STREET (Continued) **U003297768**

Tank Test:

UST:

Id/Status:	2-117633 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	2
Expiration Date:	02/17/2018
UTM X:	584085.11563000001
UTM Y:	4509023.9654200003
Site Type:	Apartment Building/Office Building

Affiliation Records:

Site Id:	4021
Affiliation Type:	Facility Owner
Company Name:	L. KING CORPORATION C/O AJ CLARKE R.E. CORP.
Contact Type:	AGENT
Contact Name:	STEPHEN DENARDO
Address1:	1881 BROADWAY
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 541-4477
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	2/8/2013

Site Id:	4021
Affiliation Type:	Mail Contact
Company Name:	C/O AJ CLARKE R.E. CORP.
Contact Type:	Not reported
Contact Name:	STEPHEN DENARDO
Address1:	1881 BROADWAY
Address2:	Not reported
City:	NEW YORK
State:	NY
Zip Code:	10023
Country Code:	001
Phone:	(212) 541-4477
EMail:	SDENARDO@AJCLARKENYC.COM
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	12/20/2006

Site Id:	4021
Affiliation Type:	On-Site Operator
Company Name:	50 KING STREET
Contact Type:	Not reported
Contact Name:	L KING CORPORATION
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN

50 KING STREET (Continued) **U003297768**

Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-7740
EMail:	Not reported
Fax Number:	Not reported
Modified By:	KAKYER
Date Last Modified:	2/8/2013

Site Id:	4021
Affiliation Type:	Emergency Contact
Company Name:	L. KING CORPORATION C/O AJ CLARKE R.E. CORP.
Contact Type:	Not reported
Contact Name:	EDGARD LONDONO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 924-7740
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	16779
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	5000
Install Date:	05/01/1957
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Tightness Test Method:	21
Date Test:	06/21/2012
Next Test Date:	06/21/2017
Pipe Model:	Not reported
Modified By:	KAKYER
Last Modified:	02/08/2013

Equipment Records:

C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G07 - Tank Secondary Containment - Excavation Liner
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
L09 - Piping Leak Detection - Exempt Suction Piping
B00 - Tank External Protection - None

50 KING STREET (Continued) **U003297768**

E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K00 - Spill Prevention - None

HIST UST:

PBS Number:	2-117633
SPDES Number:	Not reported
Emergency Contact:	EDGARD LONDONO
Emergency Telephone:	(212) 924-7740
Operator:	L KING CORPORATION
Operator Telephone:	(212) 924-7740
Owner Name:	L. KING CORPORATION C/O AJ CLARKE MANGEMENT
Owner Address:	1881 BROADWAY
Owner City,St,Zip:	NEW YORK, NY 10023
Owner Telephone:	(212) 547-4477
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Name:	C/O AJ CLARKE MANAGEMENT
Mailing Address:	1881 BROADWAY
Mailing Address 2:	Not reported
Mailing City,St,Zip:	NEW YORK, NY 10023
Mailing Contact:	STEPHEN DENARDO
Mailing Telephone:	(212) 541-4477
Owner Mark:	Second Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Addr2:	50 KING STREET
SWIS ID:	6201
Old PBS Number:	Not reported
Facility Type:	APARTMENT BUILDING
Inspected Date:	Not reported
Inspector:	Not reported
Inspection Result:	Not reported
Federal ID:	Not reported
Certification Flag:	False
Certification Date:	02/19/1998
Expiration Date:	02/17/2003
Renew Flag:	False
Renewal Date:	Not reported
Total Capacity:	5000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City:	01
Region:	2
Tank Id:	001
Tank Location:	UNDERGROUND
Tank Status:	In Service
Install Date:	Not reported
Capacity (gals):	5000

50 KING STREET (Continued) **U003297768**

Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Tank External:	Not reported
Pipe Location:	Not reported
Pipe Type:	STEEL/IRON
Pipe Internal:	Not reported
Pipe External:	Not reported
Second Containment:	Vault (w/o access)
Leak Detection:	None
Overfill Prot:	Product Level Gauge
Dispenser:	Suction
Date Tested:	05/01/1998
Next Test Date:	05/01/2003
Missing Data for Tank:	Minor Data Missing
Date Closed:	Not reported
Test Method:	Horner EZ Check
Deleted:	False
Updated:	True
Lat/long:	Not reported

SPILLS:

Facility ID:	9212514
Facility Type:	ER
DER Facility ID:	131752
Site ID:	155547
DEC Region:	2
Spill Date:	2/4/1993
Spill Number/Closed Date:	9212514 / 2/4/1993
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	2/4/1993
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	2/4/1993
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/8/1993
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	50 KING STREET TENANTS
Spiller Address:	50 KING STREET
Spiller City,St,Zip:	MANHATTAN, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TANG"

50 KING STREET (Continued) **U003297768**

Remarks: DRIVER AND SUPT CHECKED GAUGE=1026 GALS EXISTING-DRIVER PUMPED 2675 GALS OIL CAME OUT VENT TANK=5K OIL LEAKED TO CONCRETE SIDEWALK-DRIZOLL APPLIED-WILL P/U AND DISPOSE

Material:

Site ID:	155547
Operable Unit ID:	976955
Operable Unit:	01
Material ID:	402358
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AH362 **AJ CLARKE MGT** **NY LTANKS** **S102673472**
NE **50 KING STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.406 mi.
2146 ft. **Site 2 of 4 in cluster AH**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	155549
Spill Number/Closed Date:	9607652 / 9/18/1996
Spill Date:	9/18/1996
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SIGONA
Referred To:	Not reported
Reported to Dept:	9/18/1996
CID:	275
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	9/18/1996
Spill Record Last Update:	9/24/1996
Spiller Name:	EDGAR
Spiller Company:	AJ CLARKE MGT
Spiller Address:	50 KING STRRET
Spiller City,St,Zip:	MANHATTAN, NY 13207-
Spiller County:	001
Spiller Contact:	EDGAR
Spiller Phone:	(212) 675-7221

AJ CLARKE MGT (Continued) **S102673472**

Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	131752
DEC Memo:	Not reported
Remarks:	faulty gauge on customers tank - spill on grassy area - apill contained - spill crew enroute to clean

Material:

Site ID:	155549
Operable Unit ID:	1035768
Operable Unit:	01
Material ID:	346909
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AG363 **51 LEONARD STREET** **NY LTANKS** **S102672068**
SSE **51 LEONARD STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.410 mi.
2165 ft. **Site 2 of 2 in cluster AG**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	99473
Spill Number/Closed Date:	9211595 / 1/8/1993
Spill Date:	1/8/1993
Spill Cause:	Tank Overfill
Spill Source:	Tank Truck
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	1/8/1993
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	CAMMISA
Referred To:	Not reported
Reported to Dept:	1/8/1993
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1/11/1993
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported

51 LEONARD STREET (Continued) **S102672068**

Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	88385
DEC Memo:	Not reported
Remarks:	TANK CHART MISREAD CONTAINED ON SIDEWALK-CLEANUP DONE

Material:

Site ID:	99473
Operable Unit ID:	978561
Operable Unit:	01
Material ID:	404982
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AH364 **GSA BUILDING SITE** **NY HSWDS** **S108146432**
NE **201 VARICK ST** **N/A**
1/4-1/2 **NEW YORK, NY 10014**
0.413 mi.
2180 ft. **Site 3 of 4 in cluster AH**

Relative:
Higher

Actual:
17 ft.

HSWDS:

Facility ID:	Not reported
Region:	2
Facility Status:	Unknown
Owner Type:	F
Owner:	General Services Admin
Owner Address:	26 Federal Plaza
Owner Phone:	212-264-8787
Operator Type:	F
Operator:	Same
Operator:	Same
Operator Phone:	Unknown
EPA ID:	NY4690311002
Registry:	Not on NYS Registry of Inactive Haz Waste Disposal Sites
Registry Site ID:	Unknown
RCRA Permitted:	Unknown
Site Code:	5-office
Owner City State:	NY, NY
Operator City State:	Not reported
Quadrange:	Unknown
Latitude:	30 40' "N
Longitude:	53 32' "W
Acres:	0.00

GSA BUILDING SITE (Continued) **S108146432**

Operator Date:	Unknown
Close Date:	Unknown
Completed:	PA/SI
Active:	Unknown
PCB's Disposed:	No
Pesticides Disposed:	No
Metals Disposed:	No
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	No
Semi Volatile Organic Compounds Disposed:	No
Analytical Info Exists for Air:	Not reported
Analytical Info Exists for Ground:	None
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Sediments:	Not reported
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Substance:	Not reported
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	Not reported
Analytical Info Exists for TCLP:	Not reported
Threat to Environment/Public Health:	Unknown
Surface Water Contamination:	Unknown
Surface Water Body Class:	Unknown
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	Unknown
Hazardous Exposure:	Unknown
Site Has Controlled Acess:	Unknown
Ambient Air Contamination:	Unknown
Direct Contact:	Unknown
EPA Hazardous Ranking System Score:	Unknown
Inventory:	F
Nefrap:	Not reported
Mailing:	Not reported
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported
Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported
Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported
Surface:	Not reported
Status:	Not reported
Surface Soil:	Not reported

GSA BUILDING SITE (Continued) **S108146432**

Surface: Not reported
TCLP: Not reported
Waste: Not reported

AH365 **GENERAL SERVICES ADMINISTRATION** **CERC-NFRAP** **1001029220**
NE **201 VARICK STREET** **RCRA NonGen / NLR** **NY8470000128**
1/4-1/2 **NEW YORK, NY 10014** **NY MANIFEST**
0.413 mi.
2180 ft. **Site 4 of 4 in cluster AH**

Relative:
Higher

Actual:
17 ft.

CERC-NFRAP:
Site ID: 0203320
Federal Facility: Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 2276342.00000
Person ID: 2000168.00000

Contact Sequence ID: 2276672.00000
Person ID: 2000112.00000

Contact Sequence ID: 13114875.00000
Person ID: 2000112.00000

Contact Sequence ID: 13120706.00000
Person ID: 2000176.00000

Contact Sequence ID: 13377325.00000
Person ID: 2000146.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: GENERAL SERVICES ADMINISTRATION
Alias Address: 201 VARICK STREET
NEW YORK, NY 10014

CERCLIS-NFRAP Assessment History:
Action: PRELIMINARY ASSESSMENT
Date Started: / /
Date Completed: 04/08/88
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: / /
Date Completed: 04/08/88
Priority Level: Not reported

Action: DISCOVERY
Date Started: / /
Date Completed: 12/10/86
Priority Level: Not reported

RCRA NonGen / NLR:
Date form received by agency: 01/07/2008
Facility name: FEDERAL BUILDING / GSA

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Facility address: 201 VARICK STREET
NEW YORK, NY 10014
EPA ID: NY8470000128
Mailing address: VARICK STREET
NEW YORK, NY 10014
Contact: BRIAN C MIDDENDORF
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (212) 337-2693
Contact email: BRIAN.MIDDEDOFF.@COM
EPA Region: 02
Land type: Federal
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: US FEDERAL GOVT
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: Not reported
Owner/operator telephone: (212) 555-1212
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: GENERAL SERVICES ADMIN
Owner/operator address: VARIEK STREET
NEW YORK, NY 10014
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Operator
Owner/Op start date: 12/31/1979
Owner/Op end date: Not reported

Owner/operator name: GENERAL SERVICES ADMIN
Owner/operator address: VARICK STREET
NEW YORK, NY 10014
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Federal
Owner/Operator Type: Owner
Owner/Op start date: 12/31/1979
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Historical Generators:
Date form received by agency: 01/01/2007
Site name: US DEPT OF ENERGY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/01/2006
Site name: US DEPT OF ENERGY
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 07/14/1999
Site name: US DEPT OF ENERGY
Classification: Small Quantity Generator

Date form received by agency: 02/06/1986
Site name: US DEPT OF ENERGY
Classification: Large Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/23/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/05/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

NY MANIFEST:
EPA ID: NY8470000128
Country: USA
Location Address 1: 201 VARICK STREET
Location Address 2: Not reported
Location City: NEW YORK
Location State: NY
Location Zip Code: 10014

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Location Zip Code 4: 7447

Mailing Info:
Name: US DEPT OF HOMELAND SECURITY
Contact: BRIAN MIDDENDORF
Address: 201 VARRICK ST
City/State/Zip: NEW YORK, NY 10014 7447
Country: USA
Phone: 212-337-2697

Manifest:

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAC300016672
Trans2 State ID: Not reported
Generator Ship Date: 03/19/2014
Trans1 Recv Date: 03/19/2014
Trans2 Recv Date: Not reported
TSD Site Recv Date: 03/26/2014
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY8470000128
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 119
Units: P - Pounds
Number of Containers: 1
Container Type: DM - Metal drums, barrels
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1
Year: 2014
Manifest Tracking Num: 006915516FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJD080631369
Trans2 State ID: NJD071629976
Generator Ship Date: 07/09/2014
Trans1 Recv Date: 07/09/2014
Trans2 Recv Date: 07/22/2014
TSD Site Recv Date: 08/12/2014
Part A Recv Date: Not reported

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	WID988566543
Waste Code:	Not reported
Quantity:	40
Units:	P - Pounds
Number of Containers:	1
Container Type:	DM - Metal drums, barrels
Handling Method:	L Landfill.
Specific Gravity:	1
Year:	2014
Manifest Tracking Num:	000643960VES
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/13/2009
Trans1 Recv Date:	07/13/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/13/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	5.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001032330JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 07/13/2009
Trans1 Recv Date: 07/13/2009
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/13/2009
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY8470000128
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported
Quantity: 5.0
Units: G - Gallons (liquids only)* (8.3 pounds)
Number of Containers: 1.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: T Chemical, physical, or biological treatment.
Specific Gravity: 1.0
Year: 2009
Manifest Tracking Num: 001032330JJK
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: NJ0000027193
Trans2 State ID: Not reported
Generator Ship Date: 07/13/2009
Trans1 Recv Date: 07/13/2009
Trans2 Recv Date: Not reported
TSD Site Recv Date: 07/13/2009
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY8470000128
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NJD002200046
Waste Code: Not reported

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Quantity:	30.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001032330JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/13/2009
Trans1 Recv Date:	07/13/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/13/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	55.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001032330JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H061

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/13/2009
Trans1 Recv Date:	07/13/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/13/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	5.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2009
Manifest Tracking Num:	001032330JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NJ0000027193
Trans2 State ID:	Not reported
Generator Ship Date:	07/13/2009
Trans1 Recv Date:	07/13/2009
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	07/13/2009
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NJD002200046
Waste Code:	Not reported
Quantity:	5.0
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Year:	2009
Manifest Tracking Num:	001032330JJK
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	12/09/2011
Trans1 Recv Date:	12/09/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/13/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	12/09/2011
Trans1 Recv Date:	12/09/2011

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/13/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	29.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	NYD982792814
Generator Ship Date:	09/01/2011
Trans1 Recv Date:	09/01/2011
Trans2 Recv Date:	09/07/2011
TSD Site Recv Date:	09/13/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	OHD048415665
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	CF - Fiber or plastic boxes, cartons
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142562FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H040

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	12/09/2011
Trans1 Recv Date:	12/09/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/13/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	1.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	09/01/2011
Trans1 Recv Date:	09/01/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/06/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	29.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	R Material recovery of more than 75 percent of the total material.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	09/01/2011
Trans1 Recv Date:	09/01/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/06/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	15.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAD985286988
Trans2 State ID: Not reported
Generator Ship Date: 09/01/2011
Trans1 Recv Date: 09/01/2011
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/06/2011
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY8470000128
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 7.0
Units: P - Pounds
Number of Containers: 1.0
Container Type: DF - Fiberboard or plastic drums (glass)
Handling Method: B Incineration, heat recovery, burning.
Specific Gravity: 1.0
Year: 2011
Manifest Tracking Num: 004142561FLE
Import Ind: N
Export Ind: N
Discr Quantity Ind: N
Discr Type Ind: N
Discr Residue Ind: N
Discr Partial Reject Ind: N
Discr Full Reject Ind: N
Manifest Ref Num: Not reported
Alt Fac RCRA Id: Not reported
Alt Fac Sign Date: Not reported
Mgmt Method Type Code: H141

Document ID: Not reported
Manifest Status: Not reported
Trans1 State ID: MAD985286988
Trans2 State ID: Not reported
Generator Ship Date: 09/01/2011
Trans1 Recv Date: 09/01/2011
Trans2 Recv Date: Not reported
TSD Site Recv Date: 09/06/2011
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NY8470000128
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID: NYD077444263
Waste Code: Not reported
Quantity: 1.0
Units: P - Pounds
Number of Containers: 1.0

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	09/01/2011
Trans1 Recv Date:	09/01/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/06/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	10.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Trans2 State ID:	Not reported
Generator Ship Date:	09/01/2011
Trans1 Recv Date:	09/01/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	09/06/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	21.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004142561FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	NYR000134957
Trans2 State ID:	NJD054126164
Generator Ship Date:	10/18/2011
Trans1 Recv Date:	10/18/2011
Trans2 Recv Date:	10/20/2011
TSD Site Recv Date:	11/07/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	MID980991566
Waste Code:	Not reported
Quantity:	4200.0
Units:	P - Pounds
Number of Containers:	14.0
Container Type:	DM - Metal drums, barrels
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	008574869JJK
Import Ind:	N

GENERAL SERVICES ADMINISTRATION (Continued) **1001029220**

Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H111

Document ID:	Not reported
Manifest Status:	Not reported
Trans1 State ID:	MAD985286988
Trans2 State ID:	Not reported
Generator Ship Date:	12/09/2011
Trans1 Recv Date:	12/09/2011
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	12/13/2011
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NY8470000128
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID:	NYD077444263
Waste Code:	Not reported
Quantity:	4.0
Units:	P - Pounds
Number of Containers:	1.0
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1.0
Year:	2011
Manifest Tracking Num:	004160085FLE
Import Ind:	N
Export Ind:	N
Discr Quantity Ind:	N
Discr Type Ind:	N
Discr Residue Ind:	N
Discr Partial Reject Ind:	N
Discr Full Reject Ind:	N
Manifest Ref Num:	Not reported
Alt Fac RCRA Id:	Not reported
Alt Fac Sign Date:	Not reported
Mgmt Method Type Code:	H141

366
SE
1/4-1/2
0.418 mi.
2208 ft.

250 CHURCH ST
250 CHURCH ST
NEW YORK, NY

NY LTANKS **S102662765**
N/A

Relative:
Higher

Actual:
20 ft.

LTANKS:

Site ID:	180655
Spill Number/Closed Date:	9611132 / 12/10/1996
Spill Date:	12/10/1996
Spill Cause:	Tank Overfill

250 CHURCH ST (Continued) **S102662765**

Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	12/10/1996
CID:	205
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	12/10/1996
Spill Record Last Update:	12/16/1996
Spiller Name:	MIKE
Spiller Company:	MYSTIC TRANSPROTATION
Spiller Address:	1901 STEINWAY ST
Spiller City,St,Zip:	ASTORIA, NY 11105-
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	151519
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	OVERFILLED TANK, SPILL CLEANED UP .

Material:

Site ID:	180655
Operable Unit ID:	1042687
Operable Unit:	01
Material ID:	343333
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

367
East
1/4-1/2
0.418 mi.
2208 ft.

390 WEST BROADWAY
390 WEST BROADWAY
MANHATTAN, NY

NY LTANKS **S104502756**
NY Spills **N/A**

Relative:
Higher

Actual:
10 ft.

LTANKS:

Site ID:	140396
Spill Number/Closed Date:	0303372 / 12/16/2003
Spill Date:	6/30/2003
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	JXZHAO
Referred To:	Not reported
Reported to Dept:	6/30/2003
CID:	216
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/30/2003
Spill Record Last Update:	12/23/2003
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller County:	001
Spiller Contact:	RUSS ESHMAN
Spiller Phone:	(631) 269-8800
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	119903
DEC Memo:	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 expleined that 6 feet below the basement surface material could not be penetrate through. Spill closed.
Remarks:	LAB RESULTS SHOWED ELEVATED LEVELS OF SEMI - VOLATLE CONTAMINATION

Material:

Site ID:	140396
Operable Unit ID:	871413
Operable Unit:	01
Material ID:	504244
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported

390 WEST BROADWAY (Continued) **S104502756**

Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	9613061
Facility Type:	ER
DER Facility ID:	119903
Site ID:	140397
DEC Region:	2
Spill Date:	2/4/1997
Spill Number/Closed Date:	9613061 / 2/4/1997
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SMMARTIN
Referred To:	Not reported
Reported to Dept:	2/4/1997
CID:	266
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/4/1997
Spill Record Last Update:	2/6/1997
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	390 WEST BROADWAY
Spiller City,St,Zip:	MANHATTAN, NY
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	Not reported
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MARTINKAT"
Remarks:	LEAK FROM WHERE FILL MEETS TANK. ONTO CONCRETE BASEMENT FLOOR. SPILLER NOTIFIED OF PROBLEM. CLEANED UP.

Material:

Site ID:	140397
Operable Unit ID:	1040725
Operable Unit:	01
Material ID:	341711
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported

390 WEST BROADWAY (Continued) **S104502756**

Material FA:	Petroleum
Quantity:	4
Units:	Gallons
Recovered:	4
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AI368 **SPILL NUMBER 9813390** **NY LTANKS** **S105054522**
SSE **DUANE & BROADWAY** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.425 mi.
2242 ft. **Site 1 of 2 in cluster AI**

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	182775
Spill Number/Closed Date:	9813390 / 7/18/2003
Spill Date:	2/2/1999
Spill Cause:	Tank Overfill
Spill Source:	Commercial Vehicle
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	2/2/1999
CID:	322
Water Affected:	Not reported
Spill Notifier:	Citizen
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2/2/1999
Spill Record Last Update:	7/18/2003
Spiller Name:	Not reported
Spiller Company:	MYSTIC TRANSPORTATION
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ -
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	153119
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"FAXED TO DEP.
Remarks:	caller states driver overfilled tank - oil came out of vent pipeand is running across the street and into a drain - driverappears "overwelmed" and is not cleaning this up

Material:

Site ID:	182775

SPILL NUMBER 9813390 (Continued) **S105054522**

Operable Unit ID:	1073839
Operable Unit:	01
Material ID:	310110
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AJ369 **TANK TEST FAILURE** **NY LTANKS** **S102238979**
SSE **40 WORTH STREET** **NY Spills** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.437 mi.
2306 ft. **Site 1 of 2 in cluster AJ**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	488216
Spill Number/Closed Date:	1307544 / Not Reported
Spill Date:	10/22/2013
Spill Cause:	Tank Test Failure
Spill Source:	Private Dwelling
Spill Class:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	10/23/2013
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	10/23/2013
Spill Record Last Update:	11/13/2014
Spiller Name:	MARK SALAMACK
Spiller Company:	OWNER
Spiller Address:	40 WORTH STREET
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	999
Spiller Contact:	MARK SALAMACK
Spiller Phone:	(718) 624-4842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	443300
DEC Memo:	10/23/13-Vought-Called PTC (Ph:718-624-4842) for more information Christopher Steele and they have two tanks and they have leak around manhole cover and subcontractor will disconnect piping as it goes

TANK TEST FAILURE (Continued) **S102238979**

through manhole cover to replace gasket. leaks are above gasket and no spill noted by PTC and tank was cleaned a few weeks ago. Vought to send out TTF letter.10/24/13-Vought-As per PBS Registration 2-243248, Site has one 19000-gallon #6 Fuel oil UST, one 15000-gallon #6 fuel oil AST and one closed in place 15,000-gallon #6 fuel oil AST.11/12/13-Hiralkumar Patel.alternate addresses: 32-50 Worth Street, 212-228 Church St, 47-61 Thomas StPBS #: 2-243248. as per PBS record, the site has/had following tanks:- one (1) 15,000 gal #6 oil UST, closed-in-place in Jul. 2010- one (1) 15,000 gal #2 oil UST, in-service, installed in Oct. 1959- one (1) 19,000 gal #2 oil UST, in-service, installed in Oct. 1959other spills : 9514064, 9808838, 0204410, 0400291, 0406548spill #: 9514064 was reported on 02/05/1996 as 50 gal #6 oil spilled due to faulty valve. case closed.spill #: 9808838 was reported on 10/16/1998 due to 15 gal transformer oil spill. case closed.spill #: 0204410 was reported on 07/27/2002 as found 8 gal of unknown material on 200 gal water, inside coned structure. case closed.spill #: 0400291 was reported on 04/09/2004 due leak from transformer into coned vault. case closed.spill #: 0406548 was reported on 09/14/2004 due to 80 gal transformer oil spill into coned structure. case closed.40 Worth Associates **property owner**c/o Newmark Grubb Knight Frank125 Park Avenue, 12th FloorNew York, NY 10017Attn: James CoffeyPh. (212) 372-2000email: jcoffey@ngkf.com3:31 PM:- left message for Mark at PTC.4:06 PM:- received call from Mark. he mentioned that one of the two tank system passed the tightness test after minor repair in manhole area. Mark will send copy of test result. they will do second tank cleaning later this month.11/13/13-Hiralkumar Patel. received fax from PTC including system test result for 15,000 gal tank. test was performed on 10/28/13 which shows tank system tight.12/06/13-Hiralkumar Patel.1:39 PM:- spoke with Mark. they cleaned the 19,000 gal tank. tank system will be retested on 12/10/13, after piping connected to the manhole.02/10/14-Hiralkumar Patel.2:11 PM:- left message for Mark.05/13/14-Hiralkumar Patel.10:22 AM:- left message for Ray at PTC.10:30 AM:- received call from Ray. he mentioned that PTC did not perform any work on 19,000 gal tank.10:45 AM:- left message for Mr. Coffey.09/29/14-Hiralkumar Patel.3:33 PM:- left message for property manager (212-227-0784).11/13/14-Hiralkumar Patel.12:21 PM:- spoke with Mark. he will review file and call back.

Remarks: failed tank - swicthing tanks out

Material:

Site ID:	488216
Operable Unit ID:	1237844
Operable Unit:	01
Material ID:	2237615
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

TANK TEST FAILURE (Continued) **S102238979**

SPILLS:

Facility ID:	9514064
Facility Type:	ER
DER Facility ID:	227892
Site ID:	280657
DEC Region:	2
Spill Date:	2/5/1996
Spill Number/Closed Date:	9514064 / 2/20/1996
Spill Cause:	Equipment Failure
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	2/5/1996
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2/5/1996
Spill Record Last Update:	1/26/1998
Spiller Name:	Not reported
Spiller Company:	NEWMARK & COMPANY
Spiller Address:	40 WORTH ST
Spiller City,St,Zip:	MANHATTAN, ZZ
Spiller Company:	001
Contact Name:	Not reported
Contact Phone:	(212) 227-8332
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"CLEANED BY OIL CO.
Remarks:	MALFUNCTIONING VALVE THAT WORKS TWO TANKS - SPILL CONTAINED

Material:

Site ID:	280657
Operable Unit ID:	1028609
Operable Unit:	01
Material ID:	357764
Material Code:	0003A
Material Name:	#6 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	50
Units:	Gallons
Recovered:	50
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AK370 **39 WHITE ST** **NY LTANKS** **S102671849**
SE **39 WHITE ST** **N/A**
1/4-1/2 **NYC, NY**
0.437 mi.
2306 ft. **Site 1 of 3 in cluster AK**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	309664
Spill Number/Closed Date:	9112755 / 3/15/1992
Spill Date:	3/12/1992
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	3/15/1992
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	3/14/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/20/1992
Spill Record Last Update:	9/30/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	249984
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Remarks:	Not reported

Material:

Site ID:	309664
Operable Unit ID:	963234
Operable Unit:	01
Material ID:	414315
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	8
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AK371 **SPILL NUMBER 9900783** **NY LTANKS** **S104620136**
SE **42 WHITE ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.442 mi.
2336 ft. **Site 2 of 3 in cluster AK**

Relative:
Higher

Actual:
19 ft.

LTANKS:

Site ID:	254330
Spill Number/Closed Date:	9900783 / 1/13/2000
Spill Date:	4/21/1999
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	4/21/1999
CID:	211
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/21/1999
Spill Record Last Update:	2/18/2000
Spiller Name:	ANTHONY LARA
Spiller Company:	Not reported
Spiller Address:	42 WHITE ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	ANTHONY LARA
Spiller Phone:	(718) 624-4842
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	208316
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"
Remarks:	caller removing tank and found contaminated soil under concrete floor - address is an apartment building

Material:

Site ID:	254330
Operable Unit ID:	1075561
Operable Unit:	01
Material ID:	307902
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

SPILL NUMBER 9900783 (Continued) **S104620136**

Tank Test:

372
ESE
1/4-1/2
0.443 mi.
2337 ft.

SPILL NUMBER 9810677 **NY LTANKS** **S104619829**
33 GREENE ST **N/A**
MANHATTAN, NY

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	260983
Spill Number/Closed Date:	9810677 / 11/23/1998
Spill Date:	11/23/1998
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	HUANG
Referred To:	Not reported
Reported to Dept:	11/23/1998
CID:	281
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/23/1998
Spill Record Last Update:	11/23/1998
Spiller Name:	VINCENT DEMARCO
Spiller Company:	GOTHAM PETROLEUM
Spiller Address:	245 RUSSEL ST
Spiller City,St,Zip:	BROOKLYN, NY 11211-
Spiller County:	001
Spiller Contact:	VINCENT DEMARCO
Spiller Phone:	(718) 389-7160
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	213136
DEC Memo:	Not reported
Remarks:	TANK OVERFILL AT ABOVE LOCATION. ALL MATERIAL RECOVERED. NO CALLBACK REQUESTED.

Material:

Site ID:	260983
Operable Unit ID:	1071698
Operable Unit:	01
Material ID:	314543
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons

SPILL NUMBER 9810677 (Continued) **S104619829**

Recovered: 10
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AI373 **137 WEST BROADWAY** **NY LTANKS** **S106702400**
SSE **137 WEST BROADWAY** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.445 mi.
2352 ft. **Site 2 of 2 in cluster AI**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	101632
Spill Number/Closed Date:	0313842 / 3/21/2006
Spill Date:	3/18/2004
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	3/18/2004
CID:	403
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/18/2004
Spill Record Last Update:	3/21/2006
Spiller Name:	ANTHONY LARA
Spiller Company:	Not reported
Spiller Address:	137 WEST BROADWAY
Spiller City,St,Zip:	NEW YORK CITY, NY
Spiller County:	001
Spiller Contact:	ANTHONY LARA
Spiller Phone:	(732) 416-0269
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	90043
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE"12/19/05 Feroze. Spill is transferred from Ketani to Feroze.03/15/06. Spill is transferred from Feroze to Kumer Patel.03/21/06-Hiralkumar Patel. Spoke with Anthony J. Lara at Petroleum. he will call me with information. Received call from Anthony. he told me that it was 275 gal AST and they had cleaned site after spill that was about 1 gal. they had replaced tank at location. received invoice copy and copy of waste disposal manifest from petroleum. as per invoice they have charged $1800 to pump out tank, clean it and replace it. invoice date is 03/25/2004. Petroleum has done this work for insurance company so they don’t have owner’s name

137 WEST BROADWAY (Continued) **S106702400**

or number. no oil stains found on floor.from property shark and reverse phone directory, following information found for owner.Klein, Sardi137 W Broadway, Apt 5New York, NY 10013-3358(212) 608-2777as per Petroleum's records it was 1 gal spill and all cleaned up. new tank installed. no further action required. case closed.

Remarks: tank had a hole in it that caused about 1 gallon of oil to spill. the spill has been cleaned up. it was a 275 gallon tank. they are going to remove it an replace it

Material:

Site ID:	101632
Operable Unit ID:	880885
Operable Unit:	01
Material ID:	495430
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1
Units:	Gallons
Recovered:	Yes
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AL374 **ATLAS PAPER STOCK CO.** **NY SWRCY U001841871**
North **589 WASHINGTON STREET** **NY UST N/A**
1/4-1/2 **NEW YORK, NY 10014**
0.446 mi.
2356 ft. **Site 1 of 3 in cluster AL**

Relative:
Higher

Actual:
11 ft.

SWRCY:

Region:	2
Facility Address 2:	Not reported
Phone Number:	2129253280
Owner Type:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner Address 2:	Not reported
Owner City,St,Zip:	Not reported
Owner Email:	Not reported
Owner Phone:	Not reported
Contact Name:	RON PASQUALE
Contact Address:	Not reported
Contact Address 2:	Not reported
Contact City,St,Zip:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Activity Desc:	RHRF - registration
Activity Number:	[31M09]
Active:	No
East Coordinate:	Not reported
North Coordinate:	Not reported
Accuracy Code:	Not reported
Regulatory Status:	Registration

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Permit #: 2-6205-00134
Auth. Date: Not reported
Expiration Date: Not reported
Waste Types: Commingled Paper

UST:
Id/Status: 2-601320 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 2
Expiration Date: 06/12/2005
UTM X: 583715.11395000003
UTM Y: 4509261.1316600004
Site Type: Trucking/Transportation/Fleet Operation

Affiliation Records:
Site Id: 23287
Affiliation Type: Facility Owner
Company Name: JEFFREY M BROWN ASSOCIATES INC
Contact Type: Not reported
Contact Name: Not reported
Address1: 330 SEVENTH AVE, 18TH FLOOR
Address2: Not reported
City: NEW YORK
State: NY
Zip Code: 10001
Country Code: 001
Phone: (212) 584-8215
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 23287
Affiliation Type: Mail Contact
Company Name: JEFFREY M BROWN ASSOC
Contact Type: Not reported
Contact Name: JORDON DECANDIA
Address1: 330 SEVENTH AVE
Address2: 18TH FLOOR
City: NEW YORK
State: NY
Zip Code: 10001
Country Code: 001
Phone: (212) 584-8200
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 3/4/2004

Site Id: 23287
Affiliation Type: On-Site Operator
Company Name: ATLAS PAPER STOCK CO.
Contact Type: Not reported
Contact Name: J. DECANDIA
Address1: Not reported
Address2: Not reported

ATLAS PAPER STOCK CO. (Continued) **U001841871**

City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 584-8200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Site Id:	23287
Affiliation Type:	Emergency Contact
Company Name:	JEFFREY M BROWN ASSOCIATES INC
Contact Type:	Not reported
Contact Name:	J. DECANDIA
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(212) 584-8200
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	3/4/2004

Tank Info:

Tank Number:	001
Tank ID:	45427
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	04/01/1993
Date Tank Closed:	11/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
B02 - Tank External Protection - Original Sacrificial Anode
C02 - Pipe Location - Underground/On-ground
F02 - Pipe External Protection - Original Sacrificial Anode
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring

ATLAS PAPER STOCK CO. (Continued) **U001841871**

I02 - Overfill - High Level Alarm
G04 - Tank Secondary Containment - Double-Walled (Underground)

Tank Number:	002
Tank ID:	57439
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1934
Date Tank Closed:	11/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	003
Tank ID:	57440
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1948
Date Tank Closed:	11/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

C02 - Pipe Location - Underground/On-ground

ATLAS PAPER STOCK CO. (Continued) **U001841871**

F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	004
Tank ID:	57441
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1948
Date Tank Closed:	11/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	03/04/2004

Equipment Records:

I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

Tank Number:	005
Tank ID:	57442
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2500
Install Date:	01/01/1944
Date Tank Closed:	11/01/1998
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

ATLAS PAPER STOCK CO. (Continued) **U001841871**

Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 03/04/2004

Equipment Records:

A00 - Tank Internal Protection - None
D00 - Pipe Type - No Piping
G00 - Tank Secondary Containment - None
J00 - Dispenser - None
I00 - Overfill - None
C02 - Pipe Location - Underground/On-ground
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
H00 - Tank Leak Detection - None

AM375 **ADAMS & ADAMS** **NY LTANKS** **S107784268**
East **476 BROOME STREET** **NY HIST AST** **N/A**
1/4-1/2 **NEW YORK, NY 10013**
0.451 mi.
2382 ft. **Site 1 of 4 in cluster AM**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	368984
Spill Number/Closed Date:	0605754 / Not Reported
Spill Date:	8/17/2006
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	VXBREVDO
Referred To:	Not reported
Reported to Dept:	8/17/2006
CID:	410
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	1
Date Entered In Computer:	8/17/2006
Spill Record Last Update:	7/16/2013
Spiller Name:	BRT REALITY
Spiller Company:	BRT REALITY TRUST
Spiller Address:	476-478 BROOME ST.
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	BRT REALITY
Spiller Phone:	(718) 567-4924
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	27204
DEC Memo:	need to trace owner & send TTF letter8/28/06 ttf letter sent. bf9/6/06 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.

ADAMS & ADAMS (Continued) **S107784268**

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. bf9/12/06 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. bf9/19/06 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. bf4/25/07 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 LLCc/o National Registered Agents875 Avenue of the Americas, Suite 501New York, NY 10001Letter gives them 30 days to submit application. bf5/25/07 Received letter from National Registered Agents stating that 476 Broome Street Property is not represented by them. bf1/31/08 bf: Found new owner via ACRIS. Letter (ttf) sent to:476 Broome Property LLC41 Madison Avenue, 29th FloorNew York, NY 100105/19/08 Inspected facility on 5/9/08. Nobody at site. Photos taken . Fill port not color coded. Sent NOV to 476 Broome Property LLC at address above. Administrative settlement conference scheduled for 6/10/08 at 2:30 PM. bf2/11/10 A consent order was signed on 7/22/08 to settle the PBS and Spill violations. UUnder the order, the respondent was required to provide compliance documentation to DEC within 30 days. To date no documentation was received. PDF file of consent order was placed into e-docs. bf07/16/13 - Spill Case is transferred from Brian Falvey (PBS Unit) to V. Brevdo (Section B) as per DER Region 2 decision - Tank Test Failure Spill Case. VB

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

Material:

Site ID:	368984
Operable Unit ID:	1126834
Operable Unit:	01
Material ID:	2116398
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	368984
Spill Tank Test:	1550204
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog

ADAMS & ADAMS (Continued) **S107784268**

Last Modified:	8/17/2006
Test Method:	Horner EZ Check I or II
Site ID:	369287
Spill Number/Closed Date:	0606003 / 4/16/2007
Spill Date:	8/24/2006
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	BKFALVEY
Referred To:	Not reported
Reported to Dept:	8/24/2006
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	8/24/2006
Spill Record Last Update:	4/16/2007
Spiller Name:	ABRAHAM WEXLER
Spiller Company:	REAL ESTATE TRANS.
Spiller Address:	476 BROOME STREET
Spiller City,St,Zip:	MANHATTEN, NY
Spiller County:	001
Spiller Contact:	ABRAHAM WEXLER
Spiller Phone:	(718) 731-7011
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	27204
DEC Memo:	8/28/06 ttf letter sent. bf4/16/07 NFA. Spill combined into previous tank test failure of same tank (Spill #0605754). bf
Remarks:	SHOULD EMPTY TANK:

Material:

Site ID:	369287
Operable Unit ID:	1127127
Operable Unit:	01
Material ID:	2116710
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

ADAMS & ADAMS (Continued) **S107784268**

Site ID:	369287
Spill Tank Test:	1550217
Tank Number:	1
Tank Size:	2000
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	8/24/2006
Test Method:	Horner EZ Check I or II

HIST AST:

PBS Number:	2-605446
SWIS Code:	6201
Operator:	JAIPER SAUD
Facility Phone:	(718) 966-2712
Facility Addr2:	Not reported
Facility Type:	OTHER
Emergency:	ADAMS & ADAMS
Emergency Tel:	(718) 328-3300
Old PBSNO:	Not reported
Date Inspected:	Not reported
Inspector:	Not reported
Result of Inspection:	Not reported
Owner Name:	ADAMS & ADAMS
Owner Address:	347 COSTER STREET
Owner City,St,Zip:	BRONX, NY 10013
Federal ID:	Not reported
Owner Tel:	(718) 328-3300
Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported
Mailing Contact:	Not reported
Mailing Name:	ADAMS & ADAMS
Mailing Address:	347 COSTER STREET
Mailing Address 2:	Not reported
Mailing City,St,Zip:	BRONX, NY 10013
Mailing Telephone:	(718) 328-3300
Owner Mark:	First Owner
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Certification Flag:	False
Certification Date:	03/23/2001
Expiration:	03/19/2006
Renew Flag:	False
Renew Date:	Not reported
Total Capacity:	2000
FAMT:	True
Facility Screen:	No Missing Data
Owner Screen:	No Missing Data
Tank Screen:	Minor Data Missing
Dead Letter:	False
CBS Number:	Not reported
Town or City:	NEW YORK CITY
County Code:	62
Town or City Code:	01

ADAMS & ADAMS (Continued) **S107784268**

Region: 2

Tank ID: 001
Tank Location: ABOVEGROUND
Tank Status: In Service
Install Date: Not reported
Capacity (Gal): 2000
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Tank Internal: 0
Tank External: 1
Pipe Location: Not reported
Pipe Type: Not reported
Pipe Internal: Not reported
Pipe External: Not reported
Tank Containment: Not reported
Leak Detection: Not reported
Overfill Protection: Not reported
Dispenser Method: Not reported
Date Tested: Not reported
Next Test Date: Not reported
Missing Data for Tank: Minor Data Missing
Date Closed: Not reported
Test Method: Not reported
Deleted: False
Updated: True
SPDES Number: Not reported
Lat/Long: Not reported

AJ376 **62 THOMAS STREET** **NY LTANKS** **S103568545**
SSE **62 THOMAS STREET** **NY Spills** **N/A**
1/4-1/2 **NEW YORK, NY**
0.458 mi.
2420 ft. **Site 2 of 2 in cluster AJ**

Relative:
Higher

Actual:
18 ft.

LTANKS:
Site ID: 273568
Spill Number/Closed Date: 9416643 / 2/12/2004
Spill Date: 3/24/1995
Spill Cause: Tank Overfill
Spill Source: Private Dwelling
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SMSANGES
Referred To: Not reported
Reported to Dept: 3/24/1995
CID: Not reported
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 4/27/1995
Spill Record Last Update: 2/12/2004

62 THOMAS STREET (Continued) **S103568545**

Spiller Name:	Not reported
Spiller Company:	MYSTIC TRANSPORTATION
Spiller Address:	19-01 STEINWAY STREET
Spiller City,St,Zip:	ASTORIA, NY 11105
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	222558
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SANGESLAND"2/12/2004 Sangesland received a letter from Katherine Delp property manager for 62 Thomas St., NYC.Submittal came with photos of the fill port, vent line and boiler room area. All areas were clean. Spill was a 5 gal spill from 9 years ago.Spill Closed
Remarks:	CLEANUP IN PROGRESS.

Material:

Site ID:	273568
Operable Unit ID:	1013759
Operable Unit:	01
Material ID:	371791
Material Code:	0002A
Material Name:	#4 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5
Units:	Gallons
Recovered:	5
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	9510954
Facility Type:	ER
DER Facility ID:	222558
Site ID:	273570
DEC Region:	2
Spill Date:	11/30/1995
Spill Number/Closed Date:	9510954 / 12/1/1995
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	GUTIERREZ
Referred To:	Not reported
Reported to Dept:	11/30/1995
CID:	207
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False

62 THOMAS STREET (Continued) **S103568545**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	11/30/1995
Spill Record Last Update:	12/4/1995
Spiller Name:	Not reported
Spiller Company:	DELANEY
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	ED CONWAY
Contact Phone:	(212) 338-4448
DEC Memo:	Not reported
Remarks:	WHILE WORKING IN A STREET EXCAVATION -CONTRACTOR STRUCK A RETIREDSTEAM LINE AND DAMAGED A WATER SUPPLY LINE RELEASING ASBESTOS INTOTHE SOIL BELOW - NO AIRBORNE ASBESTOS RELEASED

Material:

Site ID:	273570
Operable Unit ID:	1025300
Operable Unit:	01
Material ID:	358309
Material Code:	0026A
Material Name:	ASBESTOS
Case No.:	01332214
Material FA:	Hazardous Material
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

377
ESE
1/4-1/2
0.459 mi.
2421 ft.

Relative:
Higher

Actual:
16 ft.

60 LISPENARD ST **NY LTANKS** **S106703609**
60 LISPENARD ST **N/A**
NEW YORK, NY

LTANKS:

Site ID:	102230
Spill Number/Closed Date:	9112756 / 3/15/1992
Spill Date:	3/12/1992
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	3/15/1992
Cleanup Meets Standard:	True
SWIS:	3101
Investigator:	MCTIBBE
Referred To:	Not reported
Reported to Dept:	3/14/1992
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party

60 LISPENARD ST (Continued) **S106703609**

Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/20/1992
Spill Record Last Update:	6/7/2004
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	90545
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIBBE"
Remarks:	Not reported

Material:

Site ID:	102230
Operable Unit ID:	963236
Operable Unit:	01
Material ID:	414316
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AN378 **PROPERTIES SOLUTIONS** **NY LTANKS** **S107658769**
East **155 SPRING STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.464 mi.
2449 ft. **Site 1 of 2 in cluster AN**

Relative:
Higher

Actual:
15 ft.

LTANKS:

Site ID:	360975
Spill Number/Closed Date:	0514284 / 11/23/2007
Spill Date:	3/14/2006
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	rmpiper
Referred To:	Not reported

PROPERTIES SOLUTIONS (Continued) **S107658769**

Reported to Dept:	3/14/2006
CID:	444
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/14/2006
Spill Record Last Update:	3/5/2008
Spiller Name:	CRAIG
Spiller Company:	PROPERTIES SOLUTIONS
Spiller Address:	155 SPRING STREET
Spiller City,St,Zip:	MANHATTEN, NY
Spiller County:	001
Spiller Contact:	CRAIG
Spiller Phone:	(732) 417-0999
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	311156
DEC Memo:	mailed ttf toMrs. Emile MercierCharles Jourdan USA Inc.2 Caesar PlaceMoonachie, NY 07074andCharles Jourdan USA Inc.136 West 11th StreetNew York, NY 10011No 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.3/30/6- faxed pbs application to donna.The tightness test failure eas 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 psoke 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
Remarks:	Not reported

Material:

Site ID:	360975
Operable Unit ID:	1118076
Operable Unit:	01
Material ID:	2108589
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

Site ID:	360975
Spill Tank Test:	1549798

PROPERTIES SOLUTIONS (Continued) **S107658769**

Tank Number:	1
Tank Size:	1500
Test Method:	03
Leak Rate:	0
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified:	3/14/2006
Test Method:	Horner EZ Check I or II

AM379 **CBJE CONDO LTD TTF** **NY LTANKS** **S111319232**
East **472 BROOME ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.467 mi.
2468 ft. **Site 2 of 4 in cluster AM**

Relative:
Higher

Actual:
16 ft.

LTANKS:

Site ID:	457222
Spill Number/Closed Date:	1109446 / 1/19/2012
Spill Date:	10/28/2011
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	10/28/2011
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/28/2011
Spill Record Last Update:	1/19/2012
Spiller Name:	BOB IRVIN
Spiller Company:	CBJE CONDO LTD
Spiller Address:	472 BROOME ST
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	999
Spiller Contact:	BOB IRVIN
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	411703
DEC Memo:	1/19/2012 - Sangesland reviewed a letter/report from Pro Test dated Dec 9, 2011Tank was isolated and passed a pressure test. Both fill line and vent line failed. Both lines were aboveground and visible. Repairs were made to the fittings on the fill box connections and vent alarm. After repairs were made the whole system passed. There was no evidence of visible contamination.
Remarks:	tank test failure w/ dry leak, retest unk

CBJE CONDO LTD TTF (Continued) **S111319232**

Material:

Site ID:	457222
Operable Unit ID:	1207348
Operable Unit:	01
Material ID:	2204601
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AK380 **PRIVATE HOME** **NY LTANKS** **S107658685**
SE **58 WHITE STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.476 mi.
2513 ft. **Site 3 of 3 in cluster AK**

Relative:
Higher

Actual:
21 ft.

LTANKS:

Site ID:	360306
Spill Number/Closed Date:	0513769 / 5/22/2006
Spill Date:	3/1/2006
Spill Cause:	Tank Overfill
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	HRPATEL
Referred To:	Not reported
Reported to Dept:	3/1/2006
CID:	444
Water Affected:	Not reported
Spill Notifier:	Fire Department
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/1/2006
Spill Record Last Update:	5/22/2006
Spiller Name:	Not reported
Spiller Company:	LEIBLIBH OIL CO
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller County:	001
Spiller Contact:	JOSEPH DILIPARTO
Spiller Phone:	(212) 685-0780
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	310433

PRIVATE HOME (Continued) **S107658685**

DEC Memo: Sangesland spoke with Rene at EastmondThey responded to the site 550gal that had an epoxy patch on the side that come off. Tank was previously lined with epoxy. Tank is in very bad shape.Eastmond drained the tank and set up a temporary 275 gal tank.Tank is resting directly on the soil in the basement.Eastmond did the immediate cleanup in the tank area, but this tank needs to be replaced and there may be contamination under the tank.03/02/06 Feroze, CSL is sent to:Property Owner58 White StreetNew York, NY 03/15/06. Spill is transferred from Feroze to Kumer Patel.04/06/06-Hiralkumar Patel. Spoke with another person at Joseph's office. he told me that site is cleaned. Eastmond has installed temporary tanks on site. old tank was on concrete pad. he doesn't have more information. left message for Joseph.04/07/06-Hiralkumar Patel. Received call from Joseph. he doesn't know concrete condition in tank room. he will going onsite next week. asked him to take color photographs of old tank location and tank room floor from different angles. as per him, they are not going to put new tank on same tank location. instead they are installing two 275 gal tank outside of the tank room. 04/21/06-Hiralkumar Patel. Spoke with Mr. Mungra at Eastmond. they have removed old tank. they found this tank was on solid concrete pad. no cracks in concrete. no soil/groundwater contamination. only contamination was surface contamination and they powered wash it. Eastmond has installed two new 275 gal tanks on same location. all work done. they are switching lines back to this new tanks. Mr. Mungra will send report by end of next week.05/05/06-Hiralkumar Patel. Spoke to Isaac. he will send final report soon once he get all the documents.05/22/06-Hiralkumar Patel. Received call from Mr. Mungra. he will fax final report. Received fax from Mr. Mungra. abstract of work performed:- install one 275 gal temp tank- pump out, squeegee clean, gas free and remove 550 gal #2 fuel oil tank- clean up area under tank and surrounding areas- removed 2 drums of contaminated oil soaked absorbent- install two 275 gal tanks- pump out and removed temp tank- tank room floor is solid concrete with no indication of cracks and/or cervices.based on available information case is closed.

Remarks: CLEAN UP ENROUTE, THERE IS A SUMP PUMP IN AREA, FIRE DEPT ON SCENE

Material:

Site ID:	360306
Operable Unit ID:	1117480
Operable Unit:	01
Material ID:	2107993
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	70
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

381
ESE
1/4-1/2
0.479 mi.
2527 ft.

GOING AWAY LCC
22 MERCER STREET
MANHATTAN, NY

NY LTANKS **S106971968**
N/A

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	346968
Spill Number/Closed Date:	0502570 / 7/27/2005
Spill Date:	6/3/2005
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SFRAHMAN
Referred To:	Not reported
Reported to Dept:	6/3/2005
CID:	444
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	6/3/2005
Spill Record Last Update:	7/27/2005
Spiller Name:	JAY SCHWIMMER
Spiller Company:	GOING AWAY LCC
Spiller Address:	22 MERCER STREET
Spiller City,St,Zip:	MANHATTEN, NY
Spiller County:	001
Spiller Contact:	JAY SCHWIMMER
Spiller Phone:	(212) 274-0118
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	293243
DEC Memo:	Sangesland spoke to Ray Lara at PTC. Tank was emptied & cleaned. PTC has submitted a bid to the owner to repair the tank.06/21/05-SR//Spoke to management company-will send documentation to DEC.07/27/05.. Recvd waste disposal manifest, photographs and work invoice for spill clean up.Tank was removed and application was filed to DEC for deregistration.
Remarks:	LEAKING TANK AT THIS LOCATION:

Material:

Site ID:	346968
Operable Unit ID:	1104715
Operable Unit:	01
Material ID:	1262043
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons

GOING AWAY LCC (Continued) **S106971968**

Recovered: No
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AL382 **YELLOW FREIGHT SYSTEM INC** **RCRA NonGen / NLR** **1001119618**
North **149 LEROY ST** **FINDS** **NYR000029074**
1/4-1/2 **NEW YORK, NY 10014** **NY LTANKS**
0.483 mi. **NY Spills**
2548 ft. **Site 2 of 3 in cluster AL**

Relative:
Higher

Actual:
10 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: YELLOW FREIGHT SYSTEM INC
Facility address: 149 LEROY ST
NEW YORK, NY 100143341
EPA ID: NYR000029074
Mailing address: ROE AVE
OVERLAND PARK, NY 66211
Contact: Not reported
Contact address: ROE AVE
OVERLAND PARK, NY 66211
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: YELLOW FREIGHT SYSTEM INC
Owner/operator address: 10990 ROE AVE
OVERLAND PARK, KS 66211
Owner/operator country: US
Owner/operator telephone: (913) 344-5446
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: YELLOW FREIGHT SYSTEM INC
Owner/operator address: 10990 ROE AVE
OVERLAND PARK, KS 66211
Owner/operator country: US
Owner/operator telephone: (913) 344-5446
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: YELLOW FREIGHT SYSTEM INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: YELLOW FREIGHT SYSTEM INC
Classification: Not a generator, verified

Date form received by agency: 09/10/1996
Site name: YELLOW FREIGHT SYSTEM INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE WASTE

. Waste code: D002
. Waste name: CORROSIVE WASTE

Violation Status: No violations found

FINDS:

Registry ID: 110004528315

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LTANKS:
Site ID: 159877
Spill Number/Closed Date: 9909631 / 7/5/2000
Spill Date: 11/8/1999
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	11/8/1999
CID:	365
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	11/8/1999
Spill Record Last Update:	7/6/2000
Spiller Name:	STEVE TRAVIS
Spiller Company:	YELLOW FREIGHT
Spiller Address:	10990 ROE AVE
Spiller City,St,Zip:	OVERLAND PARK, KS 66211-
Spiller County:	001
Spiller Contact:	STEVE TRAVIS
Spiller Phone:	(913) 344-3409
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	135045
DEC Memo:	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 & 82702) 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, 2000.4/4/2000 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 submitt 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 #00018385/12/2000 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 seperate. Right now, 9909631 relates to an area midblock along Washington St. in the area of the former 3 - 4,000 gal diesel tanks.

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Spill #0001838 basically covers the remainder of the city block.Issues include petroleum contamination and various metals.

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

Material:

Site ID:	159877
Operable Unit ID:	1084385
Operable Unit:	01
Material ID:	298707
Material Code:	0008
Material Name:	Diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	0001838
Facility Type:	ER
DER Facility ID:	135045
Site ID:	159876
DEC Region:	2
Spill Date:	5/12/2000
Spill Number/Closed Date:	0001838 / 1/12/2001
Spill Cause:	Other
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	5/12/2000
CID:	252
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	5/12/2000
Spill Record Last Update:	1/12/2001
Spiller Name:	STEVE TRAVIS
Spiller Company:	YELLOW FREIGHT
Spiller Address:	149 LEROY ST
Spiller City,St,Zip:	MANHATTAN, NY -

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Spiller Company: 001
Contact Name: STEVE TRAVIS
Contact Phone: (913) 344-3409
DEC Memo: 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 10010Attorney for the owner is:Gail Port with Proskauer Rose LLP (212-969-3243) address: 1585 Broadway, New York,NY 10036Environmental Consultant:Advanced Cleanup Technologies, Inc. (631-293-4992) address: 117 Verdi Street, Farmingdale, NY 11735During 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."
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.

Material:
Site ID: 159876
Operable Unit ID: 823397
Operable Unit: 01
Material ID: 290050
Material Code: 0066A
Material Name: UNKNOWN PETROLEUM
Case No.: Not reported
Material FA: Petroleum
Quantity: 0
Units: Gallons
Recovered: No
Resource Affected: Not reported

YELLOW FREIGHT SYSTEM INC (Continued) **1001119618**

Oxygenate: False

Tank Test:

383
SSE
1/4-1/2
0.483 mi.
2550 ft.

APARTMENT BUILDING **NY LTANKS** **S106385684**
144 DUANE ST. **N/A**
MANHATTAN, NY

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	286328
Spill Number/Closed Date:	0314059 / 4/6/2004
Spill Date:	3/25/2004
Spill Cause:	Tank Failure
Spill Source:	Private Dwelling
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	CESAWYER
Referred To:	Not reported
Reported to Dept:	3/25/2004
CID:	403
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/25/2004
Spill Record Last Update:	4/6/2004
Spiller Name:	BILL JOHNSON
Spiller Company:	APARTMENT BUILDING
Spiller Address:	144 DUANE ST.
Spiller City,St,Zip:	MANHATTAN, NY
Spiller County:	001
Spiller Contact:	BILL JOHNSON
Spiller Phone:	(516) 315-8165
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	232064
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "SAWYER"3/25/2004 Sangesland spoke to Bill Johnson (516-315-8165). He's a contractor working on a building renovation in Manhattan.The basement floor of this building was being "dug down" to create more headroom in the basement. During this digging, a buried tank was found and a joint on the top was broken. This caused a small amount of oil to flow into the soil around the tank.Sangesland told the contractor to do the following:1) Take photos of the tank/spill now before the cleanup2) Take photos of the area after the cleanup is done.3) Either pull the tank and get 1 end point sample -OR-4) Abandon the tank in place with cement AFTER 1 clean soil boring is taken through the center of the tank.5) Manifest any contaminated soil from the site.6) Send in test results, manifests and a summary

APARTMENT BUILDING (Continued) **S106385684**

of events to Cris Sawyer for review and closure.3/30/04 Mr. Johnson called back to say that groundwater is 1 ft below the basement floor. There is a water proof seal over the whole floor (except for the manway to the buried tank). He says they are NOT able to take a soil sample or a water sample through or near the tank.3/31/04 - Sawyer - Talked to Mark Sonnino the owner of site, but he says there is no spill. He is required to pressure test the tank and upon passing the tank tighness test the spill will be closed.4/06/04 - Sawyer - Received a passed tank tighness test from Mark Sonnino done by AL Eastmond. Closed.

Remarks: they are removing an underground tank that has holes in it

Material:

Site ID:	286328
Operable Unit ID:	881000
Operable Unit:	01
Material ID:	495643
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Pounds
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AO384 **SPILL NUMBER 9810520** **NY LTANKS** **S104619823**
NNE **130 LEROY STREET** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.484 mi.
2555 ft. **Site 1 of 2 in cluster AO**

Relative:
Higher

Actual:
12 ft.

LTANKS:

Site ID:	303800
Spill Number/Closed Date:	9810520 / 12/23/1999
Spill Date:	11/19/1998
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	MMMULQUE
Referred To:	Not reported
Reported to Dept:	11/19/1998
CID:	281
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0

SPILL NUMBER 9810520 (Continued) **S104619823**

Date Entered In Computer:	11/19/1998
Spill Record Last Update:	12/23/1999
Spiller Name:	JORDAN DECANDIA
Spiller Company:	LEROY CLARKSON LLC
Spiller Address:	2337 PHILMONT AVE
Spiller City,St,Zip:	HUNTINGDON, PA 19006-
Spiller County:	001
Spiller Contact:	JORDAN DECANDI
Spiller Phone:	(215) 938-5000
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	245449
DEC Memo:	Prior to Sept, 2004 data translation this spill Lead_DEC Field was "MULQUEEN"cLOSED 12/23/99 BY TOMASELLO. sEE dEC FILE.
Remarks:	CALLER RESPONDED TO ABOVE LOCATION FOR TANK REMOVAL ASSESMENT.ASSESMENT REVEALS SOIL CONTAMINATION ON SITE. APPROX. 6-8 YARDSOF 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 REQUESTEDED.

Material:

Site ID:	303800
Operable Unit ID:	1067744
Operable Unit:	01
Material ID:	314392
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AN385 **COMMERCIAL BUILDING** **NY LTANKS** **S111319271**
East **145 SPRING ST** **N/A**
1/4-1/2 **NEW YORK, NY**
0.485 mi.
2559 ft. **Site 2 of 2 in cluster AN**

Relative:
Higher

Actual:
17 ft.

LTANKS:

Site ID:	458099
Spill Number/Closed Date:	1110287 / 12/20/2011
Spill Date:	11/18/2011
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	BKFALVEY
Referred To:	Not reported
Reported to Dept:	11/18/2011

COMMERCIAL BUILDING (Continued) **S111319271**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	11/18/2011
Spill Record Last Update:	12/20/2011
Spiller Name:	Not reported
Spiller Company:	RBH /LINDA MONTANEZ
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	RBH /LINDA MONTANEZ
Spiller Phone:	(212) 685-7833
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	412595
DEC Memo:	Dry leak-TTF was sent out to RBH Management16 W 36th StreetNew York, NY 10018(sr)12/20/11 Yesterday, received letter from Pro Test requesting closure of this case. Vent line, fill line, and petrometer line were replaced. After lines were replaced, tank passed ttt on 12/9/11. No contamination found. No PBS Number for this site, may be because tank is 1080 gal. and used for consumption on-site. NFA. bf
Remarks:	1080 gal agt

Material:

Site ID:	458099
Operable Unit ID:	1208209
Operable Unit:	01
Material ID:	2205540
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Gallons
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AM386 **APT BUILDING** **NY LTANKS** **S114561765**
East **62 GREENE ST** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.486 mi.
2564 ft. **Site 3 of 4 in cluster AM**

Relative:
Higher

Actual:
18 ft.

LTANKS:

Site ID:	487621
Spill Number/Closed Date:	1306972 / 4/11/2014
Spill Date:	10/2/2013
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial

APT BUILDING (Continued) **S114561765**

Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	10/3/2013
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	10/3/2013
Spill Record Last Update:	4/11/2014
Spiller Name:	Not reported
Spiller Company:	APT BUILDING
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller County:	999
Spiller Contact:	ROB JOHNSON
Spiller Phone:	(631) 942-9747
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	442736
DEC Memo:	10/03/13-Zhune spoke to Donna from ABC tank. She indicated they performed a tightness test to the tank and failed the test with a dry leak. They can not say if there is oil spill because the tank is vaulted and they can not see the bottom of the tank. She sent the proposal to the owner to do the isolation test.A tightness test was performed on (1) 2,000 gallon tank located at the above referenced address. The tank did not pass the test. Spill # 1306972 was assigned.ABC Tank pumped out all product from the interior of the tank. The interior of the tank was cleaned. All lines were disconnected from the top of the tank to isolate the tank from the system. A pressure test was performed on the isolated tank. The tank did not hold the pressure. A visual inspection was performed on the interior of the tank. The top of the tank had numerous holes and the steel on top of the tank was in poor condition.ABC Tank obtained (3) soil samples along the bottom of the tank. Resluts indicated low level VOCs below CP-51 standards. SVOCs were observed slightly above. Possible due to fill material. 4//11/14- DEC Piper reviewed documentaiton of tank removal done by Don Carlo Env. Based on samples and removal of 2K AST, this spill is closed. Will notify ABC Tank to u[pdate status in PBS program.
Remarks:	2000 gal tank in vault/dry leak

Material:

Site ID:	487621
Operable Unit ID:	1237254
Operable Unit:	01
Material ID:	2236878
Material Code:	0001A
Material Name:	#2 Fuel Oil

APT BUILDING (Continued) **S114561765**

Case No.: Not reported
Material FA: Petroleum
Quantity: Not reported
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

AM387 **TTF** **NY LTANKS** **S112148820**
East **65 GREENE STREET** **N/A**
1/4-1/2 **NEW YORK CITY, NY**
0.487 mi.
2571 ft. **Site 4 of 4 in cluster AM**

Relative:
Higher

Actual:
18 ft.

LTANKS:
Site ID: 466068
Spill Number/Closed Date: 1203271 / Not Reported
Spill Date: 7/3/2012
Spill Cause: Tank Test Failure
Spill Source: Commercial/Industrial
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased: Not reported
Cleanup Meets Standard: False
SWIS: 3101
Investigator: SMSANGES
Referred To: Not reported
Reported to Dept: 7/3/2012
CID: Not reported
Water Affected: Not reported
Spill Notifier: Other
Last Inspection: Not reported
Recommended Penalty: False
UST Involvement: False
Remediation Phase: 1
Date Entered In Computer: 7/3/2012
Spill Record Last Update: 7/6/2012
Spiller Name: BILL MAKKOS EQUITIES
Spiller Company: UNKNOWN
Spiller Address: 65 GREENE STREET
Spiller City,St,Zip: NEW YORK CITY, NY
Spiller County: 999
Spiller Contact: BILL MAKKOS EQUITIES
Spiller Phone: 2127368700
Spiller Extention: Not reported
DEC Region: 2
DER Facility ID: 420413
DEC Memo: Not reported
Remarks: failed tank - leaking - clean up pending

Material:
Site ID: 466068
Operable Unit ID: 1216078
Operable Unit: 01

TTF (Continued) **S112148820**

Material ID:	2214240
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

AL388 **601 WASHINGTON STREET** **NY Spills** **S109318174**
NNE **601 WASHINGTON STREET** **NY BROWNFIELDS** **N/A**
1/4-1/2 **NEW YORK, NY 10014** **NY E DESIGNATION**
0.489 mi.
2583 ft. **Site 3 of 3 in cluster AL**

Relative:
Higher

Actual:
11 ft.

SPILLS:

Facility ID:	1406414
Facility Type:	ER
DER Facility ID:	454906
Site ID:	499882
DEC Region:	2
Spill Date:	9/16/2014
Spill Number/Closed Date:	1406414 / Not Reported
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	3101
Investigator:	RMPIPER
Referred To:	Not reported
Reported to Dept:	9/16/2014
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	1
Date Entered In Computer:	9/16/2014
Spill Record Last Update:	9/16/2014
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller City,St,Zip:	NY
Spiller Company:	999
Contact Name:	JASON HAYES
Contact Phone:	Not reported
DEC Memo:	DEC Piper spoke with JAson at LAngan. Langan hired by developement company. Project through OER as it was an E designated site. They executed the investigation work plan presented to OER. No odors. Soil seems fine. One corner of property. TCE ~ 450ppm . MAp and data

601 WASHINGTON STREET (Continued) **S109318174**

tables will be sent and discussed with Remediation. Complete SIR will be sent when completed.
Remarks: based on ground water sample

Material:
Site ID: 499882
Operable Unit ID: 1249289
Operable Unit: 01
Material ID: 2250853
Material Code: 0059A
Material Name: SOLVENTS
Case No.: Not reported
Material FA: Other
Quantity: Not reported
Units: Gallons
Recovered: Not reported
Resource Affected: Not reported
Oxygenate: False

Tank Test:

BROWNFIELDS:
Program: BCP
Site Code: 503954
Acres: .205
HW Code: C231091
SWIS: 3101
Town: New York City
Update By: JEBROWN
Site Description: Location: The 601 Washington Street site is located in an urban area in Manhattan. The site is bounded by Greenwich Street to the east, Leroy Street to the south, Washington Street to the west and multi-story residential buildings to the north.Site Features: The site encompasses approximately 8,930 square feet and is entirely covered by a one- to two-story building with a concrete slab.Current Zoning/Use: The site is located in the Special Mixed Use District (MX) within Manhattan with zoning designation M1-5/R7X and is currently occupied by the Gavin Brown Art Gallery.Historical Use: Historic use of the site includes truck and auto repair, engine works, brass foundry, welding supply, trucking garage, shipping and meat packing companies.Site Geology and Hydrogeology: The subsurface strata at the site consists of historic urban fill typically comprising brown sand with trace gravel and brick fragments. The depth of fill is variable with a maximum recorded depth of 17 feet below ground surface(bgs) in the southern portion of the site. Underlying the fillmaterial is a typically brown fine to coarse sand with occasional discontinuous thin layers of sandy silt. Depth to top of bedrock at a nearby site varied from about 73 to 79feet bgs. The bedrock was identified as gray mica schist, and about three feet of light-graydecomposed rock overlaid the bedrock. Groundwater occurs approximately 13 to 14 feet below ground surface. Localized groundwater appears to flow towards the southeast, though regional flow should be to the west, towards the Hudson River.
Env Problem: Information submitted with the BCP application regarding the environmental condition at the site are currently under review and will be revised as additional information becomes available.

601 WASHINGTON STREET (Continued) **S109318174**

Health Problem: Information submitted with the BCP application regarding the conditions at the site are currently under review and will be revised as additional information becomes available.

E DESIGNATION:

Tax Lot(s):	28
Tax Block:	602
Borough Code:	Not reported
E-No:	E-211
Effective Date:	7/23/2008
Satisfaction Date:	Not reported
Ceqr Number:	07DCP095M
Ulurp Number:	070575ZMM
Zoning Map No:	12a
Description:	Hazardous Materials* Phase I and Phase II Testing Protocol
Lot Remediation Date:	Not reported

AO389 **111 LEROY ST** **NY LTANKS** **S105998775**
NNE **111 LEROY ST** **NY Spills** **N/A**
1/4-1/2 **MANHATTAN, NY**
0.494 mi.
2607 ft. **Site 2 of 2 in cluster AO**

Relative:
Higher

Actual:
14 ft.

LTANKS:

Site ID:	283679
Spill Number/Closed Date:	0300861 / 5/2/2006
Spill Date:	4/24/2003
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	KSTANG
Referred To:	Not reported
Reported to Dept:	4/24/2003
CID:	257
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	4/24/2003
Spill Record Last Update:	5/2/2006
Spiller Name:	ED KAMINSKY
Spiller Company:	HANDSMAN & KAMINSKY, LLP
Spiller Address:	101 EAST 52ND STREET
Spiller City,St,Zip:	MANHATTAN, NY 10022
Spiller County:	001
Spiller Contact:	ED KAMINSKI
Spiller Phone:	(212) 750-0615
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	230091

111 LEROY ST (Continued) **S105998775**

DEC Memo: Prior to Sept, 2004 data translation this spill Lead_DEC Field was "TIPPLE/DDO"4/24/03 TJDTTF 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

Remarks: wet & dry leak

Material:

Site ID:	283679
Operable Unit ID:	867228
Operable Unit:	01
Material ID:	508934
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

SPILLS:

Facility ID:	0611866
Facility Type:	ER
DER Facility ID:	326188
Site ID:	376595
DEC Region:	2
Spill Date:	1/26/2007
Spill Number/Closed Date:	0611866 / Not Reported
Spill Cause:	Other
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
SWIS:	3101
Investigator:	JMOCONNE
Referred To:	Not reported
Reported to Dept:	1/26/2007
CID:	444
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False

111 LEROY ST (Continued) **S105998775**

UST Trust:	False
Remediation Phase:	5
Date Entered In Computer:	1/26/2007
Spill Record Last Update:	10/23/2013
Spiller Name:	Not reported
Spiller Company:	CON EDISON
Spiller Address:	Not reported
Spiller City,St,Zip:	ZZ
Spiller Company:	999
Contact Name:	MARGARET GENTLE
Contact Phone:	(718) 665-5700
DEC Memo:	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 noopenings 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 ofweather 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 thenmade the repairs to the oil fill line

111 LEROY ST (Continued) **S105998775**

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 thatmethod can be used again." (JHO)10/16/2013 - spill re-assigned to O'Connell; received closure request from Con Edison via email which includes:At this point in time, the building located at 111 Leroy Street must beconsidered abandoned. All utilities (gas, electric, water) has beenshut off. ConEdison has conducted all reasonable Due diligence to gainlegal access to 111 Leroy Street in order to conduct a pressure test onthe fuel oil tank fill-line. ConEdison believes that because of theforeclosure situation, 111 Leroy Street will not be occupied in theforeseeable future. The original one quart spill that was discoveredon 26Jan2007@12:05 was cleaned up within 3 hours of discovery...cleanupcomplete on 26Jan2007@15:00 by Safeway Construction; a ConEdisonapproved contractor; all documented within the attached spill report(see PDF). We recommend that the DEC tag the fuel oil fill port at 111Leroy Street as 'DO NOT FILL' and place the onus of pressure-testing thefuel oil tank fill-line onto the future owner(s) thus allowing thisspill incident to be closed via the DEC Spill Data Base.The following Chrono delineates ConEdison's Due diligence associatedwith this one quart spill of #2 fuel oil from a leaking elbow at thesidewalk:26Jan2007, 12:05A ConEdison Construction Manager (M.Chionchio (18737)) reported thatStuyvesant Fuel Company was at this location delivering home heatingfuel and leaked 1 quart of #2 fuel oil to soil. The spill was causedwhen a loose elbow on the fuel oil line (leading to the basement fueloil tank) was removed and improperly reinstalled by a ConEdisoncontractor during the installation of a new sidewalk electrical vault. 26Jan2007, 15:00The 1 quart spill that was cleaned up within 3 hours...cleanup completeby Safeway Construction; a ConEdison approved contractor. Two cubicyards of oily debris was disposed of as non-haz industrial waste.10Jun2007A ConEdison EH&S Project Specialist (Brian Bellows) scheduled theFranklin Company (a subcontractor of Safeway Construction) to pressuretest the fuel oil tank in the basement of 111 Leroy Street as per NYSDECrecommendations. A field visit at that time found the building vacant.Additionally, the building had a Disconnect Notice posted to the frontdoor for termination of Power and Light service. According to the ownerof the parking lot next door, 111 Leroy Street is scheduled fordemolition per a Notice he received.05Nov2008Brian Bellows, Project Specialist with Construction EH&S tried tocontact the owner of the building; without success. Mr. Bellowsproceeded to call everyone identified as the owner on the Department ofBuildings (DOB) website. There has been no activity and no permitsissued for

111 LEROY ST (Continued) **S105998775**

the address.8Apr2010ConEdison is unable to locate the owner for information since buildingwas vacated. DOB website checked for issuance of new permits. 03Sep2013David Duke of ConEdison's EH&S Response Team searched the Internet andfound that the building is in foreclosure via the Royal Bank ofScotland-RBS Securities.A newspaper article described the situation as fallout from the 2008real-estate crash.Con Edison's request is under review. Reviewed PBS registration for 111 Leroy Street, 2-608656. 1,500 gallon UST, #2 fuel oil, no installation date; no filing for temporarily out of service or closure; registration expired 3/26/2008; overdue for tank tightness report (6/17/2008). Based on information included in separate, prior spill report, the tank was re-lined in 2003. Based on-line NYC ACRIS database, the property changed ownership from that included with the PBS registration (per ACRIS, KMG PMA LEROY, LLC). Referred PBS case to PBS unit for follow-up on PBS compliance issues and tagging as recommended above by Con Edison. No information found for any foreclosure process as indicated above by Con Edison for this property. (JOC)10/23/13 - based on information provided, the spill was promptly remediated, and the fill line was repaired. However, Con Edison did not conduct testing of the fill line as was previously requested by the Department, due to an inability to get access to the tank. In that the entire tank system, rather than just the fill line, now needs testing by the tank owner per PBS regulations, there is no reason at this point to continue to require Con Edison to test just the fill line. As noted above, regional PBS staff are working on resolving the PBS compliance issues. The facility PBS number has been cross referenced into this spill record. (JOC)

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

Material:

Site ID:	376595
Operable Unit ID:	1134167
Operable Unit:	01
Material ID:	2124027
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10
Units:	Gallons
Recovered:	No
Resource Affected:	Not reported
Oxygenate:	False

Tank Test:

390
NE
1/4-1/2
0.498 mi.
2630 ft.

SPILL NUMBER 0112067
2 KING ST
MANHATTAN, NY

NY LTANKS **S105995445**
N/A

Relative:
Higher

Actual:
22 ft.

LTANKS:

Site ID:	236703
Spill Number/Closed Date:	0112067 / 7/22/2002
Spill Date:	3/22/2002
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Cleanup Ceased:	Not reported
Cleanup Meets Standard:	False
SWIS:	3101
Investigator:	SMSANGES
Referred To:	Not reported
Reported to Dept:	3/22/2002
CID:	199
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	3/22/2002
Spill Record Last Update:	7/22/2002
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller City,St,Zip:	***Update***, ZZ
Spiller County:	001
Spiller Contact:	NICK MARINOV
Spiller Phone:	(212) 661-1150
Spiller Extention:	Not reported
DEC Region:	2
DER Facility ID:	194999
DEC Memo:	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.
Remarks:	tank top will be excavated and tank only test will be done

Material:

Site ID:	236703
Operable Unit ID:	849004
Operable Unit:	01
Material ID:	526081
Material Code:	0001A
Material Name:	#2 Fuel Oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	0
Units:	Gallons
Recovered:	No

SPILL NUMBER 0112067 (Continued) **S105995445**

Resource Affected: Not reported
Oxygenate: False

Tank Test:
Site ID: 236703
Spill Tank Test: 1526959
Tank Number: 1
Tank Size: 6000
Test Method: 03
Leak Rate: 0
Gross Fail: Not reported
Modified By: Spills
Last Modified: 10/1/2004
Test Method: Horner EZ Check I or II

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391 **HUDSON DRY CLEANERS** **NY SHWS** **S110246833**
NNE **462 HUDSON STREET** **NY DRYCLEANERS** **N/A**
1/2-1 **MANHATTAN, NY 10014**
0.596 mi.
3145 ft.

Relative:
Higher

Actual:
17 ft.

SHWS:
Program: HW
Site Code: 486480
Classification: P
Region: 2
Acres: .570
HW Code: 231085
Record Add: 09/04/2013
Record Upd: 09/04/2013
Updated By: BXANDERS
Site Description: Location: The 25,000 square foot (0.57 acre) site is located at 462 Hudson Street in the Borough of Manhattan in an urban area. The site is bordered by Hudson Street to the west, Barrow Street to the north, on and two-family brownstones to the east, and by Morton Street to the south. Site Features: The site is occupied by a two 6-story apartment buildings with commercial uses on the first floor along Hudson St. The dry cleaner occupies the northwest corner of the first floor of the northern building.Current Zoning/Use(s):The site is zoned as C1-6/R6 for commercial and residential uses. Historical Use(s):The on-site building was constructed in 1925. A dry cleaner has operated at the site since at least 1986. The site is a RCRA large quantity generator (EPA ID # NYD981141948) of spent solvent, waste code F002. Site Topography, Geology and Hydrogeology:The Site is generally level and is at an elevation of approximately 36 feet above mean sea level. The geology of New York County consists of unconsolidated glacial deposits overlying crystalline bedrock. Soil cores collected during investigation on a nearby site generally consisted of historic fill material containing brown sand and silt with fine gravel and brick fragments to a depth of 8 to 15 feet bgs. The Site is located 1300 feet east of the Hudson River. Groundwater in the vicinity of the site was encountered at approximately 27 feet bgs and is expected to flow to the west towards the Hudson River.
Env Problem: Nature and Extent of Contamination: Information is based on the results of a site characterization investigation performed at the nearby property at 75 Morton Street by the NYC School Construction

HUDSON DRY CLEANERS (Continued) **S110246833**

	Authority. That investigation was triggered by the discovery of elevated levels of cVOCs in groundwater on that site. The subsequent Supplemental Site Investigation (SSI) indicated that elevated concentrations of cVOCs (namely PCE) existed along the adjacent sidewalk on the eastern side of Hudson Street. The SSI ascertained that the 75 Morton Street site was not a source of the contamination. Eleven temporary groundwater wells were installed on and upgradient from the Morton Street property and samples were collected for lab analysis. One well was installed immediately in front of and downgradient from the Hudson Cleaners site.Groundwater: Tetrachloroethylene (PCE) was detected at elevated concentrations in groundwater samples taken immediately in front of the Hudson Cleaners site. PCE was detected at a concentration of 2900 ppb at that location, with concentrations decreasing in the downgradient direction consistent with the inferred contaminant plume. The groundwater flow direction was confirmed to be from east to west based on surveyed groundwater elevation measurements collected during the 75 Morton St. SSI. Significant Threat:Evaluation of significant threat will be made following completion of the Site Characterization.
	Not reported
Health Problem:	As information for this site becomes available, it will be reviewed by the NYSDOH to determine if site contamination presents public health exposure concerns.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Byung Woo Kim
Owner Company:	Hudson Kim Cleaners, Inc.
Owner Address:	462 Hudson Street
Owner Addr2:	Not reported
Owner City,St,Zip:	New York, NY 10014
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Michael Sass
Owner Company:	Z H Control Co., LLC
Owner Address:	c/o ABS Partners Real Estate
Owner Addr2:	200 Park Avenue South, 10th Floor
Owner City,St,Zip:	New York, NY 10003
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported

HUDSON DRY CLEANERS (Continued) **S110246833**

Cross Ref Type: Not reported
Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

DRYCLEANERS:
Facility ID: 2-6205-00290
Phone Number: 212-242-4518
Region: Not reported
Registration Effective Date: 9/8/2003 11:12:38:006
Inspection Date: 08JUN13
Install Date: 90/02
Drop Shop: Not reported
Shutdown: Not reported
Alternate Solvent: Not reported
Current Business: Not reported

392
ESE
1/2-1
0.636 mi.
3357 ft.

CON EDISON - CANAL ST. WORKS MGP **EDR MGP** **1008408208**
CANAL STREET **N/A**
NEW YORK, NY 10013

Relative:
Higher

Actual:
14 ft.

Manufactured Gas Plants:
No additional information available

393
SE
1/2-1
0.713 mi.
3763 ft.

CON EDISON - CROSS/LITTLE WATER STS. MGP **EDR MGP** **1008407979**
60 CENTRE ST **N/A**
NEW YORK, NY 10007

Relative:
Higher

Actual:
17 ft.

Manufactured Gas Plants:
No additional information available

394
ESE
1/2-1
0.837 mi.
4422 ft.

CON EDISON - HESTER ST. GAS WORKS MGP **EDR MGP** **1008407991**
HESTER STREET **N/A**
NEW YORK, NY 10002

Relative:
Higher

Actual:
37 ft.

Manufactured Gas Plants:
No additional information available

395
SE
1/2-1
0.941 mi.
4966 ft.

CON EDISON - ROOSEVELT ST. STATION MGP
PEARL ST. BETWEEN PARK ROW AND SOUTH ST.
NEW YORK, NY 10007

EDR MGP **1008408209**
N/A

Relative:
Higher

Actual:
16 ft.

Manufactured Gas Plants:
No additional information available

Count: 11 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MANHATTAN	S102672217	331 WEST 211TH STREET	331 WEST 211TH STREET		NY LTANKS
MANHATTAN	S106124480	2ND AVE SUBWAY PROJECT-NYCT	2ND AVE BETWEEN 97TH-WEST		NY LTANKS
MANHATTAN	S106719363	HUDSON TRANSIT	WEST 46TH STREET		NY LTANKS
MANHATTAN	S108059506	EXCAVAVTION	WEST 60TH BETWEEN 10 & 11		NY LTANKS
MANHATTAN	S113916668	ROUTE 9A RECONSTRUCTION PROJECT	ROUTE 9A BETWEEN BATTERY PK AN		NY SHWS
MANHATTAN	S113916422	NY MERCHANTILE EXCHANGE INC	1 NORTH END AVE		NY LTANKS
NEW YORK	S105684667	CE - W. 18TH ST. GAS WORKS	WEST 16TH - WEST 20TH STS.	10011	NY VCP
NEW YORK	S100142817	239 WEST 264TH ST	239 WEST 264TH STREET		NY LTANKS
NEW YORK	S102672058	76TH ST BET. BROADWAY	76TH ST BET BROADWAY		NY LTANKS
NEW YORK	S113916762	WEST 9TH STREET PLUME TRACKDOWN	WEST 9TH STREET	10011	NY SHWS
NEW YORK	S105684666	CE - CANAL ST. WORKS	CANAL STREET	10013	NY VCP

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 12/16/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 12/16/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 12/16/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: EPA
Telephone: N/A
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/21/2014
Date Data Arrived at EDR: 10/07/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/08/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 11/11/2013
Date Made Active in Reports: 02/13/2014
Number of Days to Update: 94

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/18/2014
Date Data Arrived at EDR: 09/19/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 02/26/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/03/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 48

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 09/30/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 37

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 03/26/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/26/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Annually

NJ SHWS: Known Contaminated Sites in New Jersey

The Known Contaminated Sites in New Jersey includes sites under the purview of the Site Remediation Program which have contamination present at levels greater than the applicable cleanup criteria for soil and/or groundwater standards. The sites appearing in Known Contaminated Sites in New Jersey are classified as either active, where the site is assigned to a specific remedial program area, or pending, where the site is awaiting assignment to a specific remedial program area. Sites where no further action (NFA) designation has been given are not included in this report unless there are other areas of identified contamination which have not been remediated. This report includes sites being remediated under all of the various regulatory programs administered by the Site Remediation Program such as: Federal Superfund Program, Federal Resource Conservation and Recovery Act (RCRA), New Jersey's Industrial Site Recovery Act (ISRA), New Jersey's Underground Storage of Hazardous Substances Act, New Jersey's Spill Compensation and Control Act, New Jersey's Solid Waste Management Act, New Jersey's Water Pollution Control Act.

Date of Government Version: 03/02/2015
Date Data Arrived at EDR: 03/04/2015
Date Made Active in Reports: 03/19/2015
Number of Days to Update: 15

Source: New Jersey Department of Environmental Protection
Telephone: 609-292-8761
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

NY VAPOR REOPENED: Vapor Intrustion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 11/01/2014
Date Data Arrived at EDR: 11/19/2014
Date Made Active in Reports: 01/12/2015
Number of Days to Update: 54

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 02/20/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 01/06/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

NJ SWF/LF: Solid Waste Facility Directory

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/04/2015
Date Made Active in Reports: 02/25/2015
Number of Days to Update: 21

Source: Department of Environmental Protection
Telephone: 609-984-6741
Last EDR Contact: 02/04/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

NY LTANKS: Spills Information Database

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

Date of Government Version: 03/19/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/19/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

NY HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 01/28/2015
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 01/30/2015
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 32

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/10/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 31

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 11/01/2013
Number of Days to Update: 184

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 02/09/2015
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/08/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

NY TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 04/01/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

NY UST: Petroleum Bulk Storage (PBS) Database
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/01/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: No Update Planned

NJ UST: Underground Storage Tank Data
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 10/22/2014
Date Data Arrived at EDR: 12/18/2014
Date Made Active in Reports: 01/22/2015
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Varies

NY CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

NY MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

NY AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/01/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: No Update Planned

NY CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

NY MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

NY CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/01/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

NY MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/30/2015
Date Data Arrived at EDR: 04/01/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 14

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 04/01/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 02/01/2013
Date Data Arrived at EDR: 05/01/2013
Date Made Active in Reports: 01/27/2014
Number of Days to Update: 271

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 09/30/2014
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 10

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/30/2015
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 36

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014
Date Data Arrived at EDR: 11/25/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 65

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/29/2015
Date Data Arrived at EDR: 01/30/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 42

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 02/03/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 29

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 12/14/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/13/2015
Number of Days to Update: 28

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Quarterly

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 03/26/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/26/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

NJ ENG CONTROLS: Declaration Environmental Restriction/Deed Notice Sites

Legal Document that restricts the use of contaminated property; holds owner(s) to the regulatory/statutory requirements for cleanup.

Date of Government Version: 12/03/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/22/2015
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

NY INST CONTROL: Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 03/26/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 03/26/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

NJ INST CONTROL: Classification Exception Area Sites

A Classification Exception Area is an institutional control providing notice that ground water contamination exists in a particular location above State standards.

Date of Government Version: 12/03/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/22/2015
Number of Days to Update: 22

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

NY RES DECL: Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 21

Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Varies

NY ENV RES DECL: Environmental Restrictive Declarations

The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 03/06/2015
Date Data Arrived at EDR: 03/27/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 27

Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 03/24/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Varies

State and tribal voluntary cleanup sites

NY VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 03/26/2015
Date Made Active in Reports: 04/08/2015
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 03/26/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

NJ VCP: Voluntary Cleanup Program Sites

Through the VCP, responsible parties, developers, local officials, or individuals may work with the department to remediate non-priority contaminated sites that pose no immediate threat to human health or the environment.

Date of Government Version: 08/17/2013
Date Data Arrived at EDR: 11/27/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 44

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/29/2014
Date Data Arrived at EDR: 10/01/2014
Date Made Active in Reports: 11/06/2014
Number of Days to Update: 36

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 04/02/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

State and tribal Brownfields sites

NY ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 03/26/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/26/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

NY BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 03/26/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 03/26/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Semi-Annually

NJ BROWNFIELDS: Brownfields Database

Brownfields are identified as former or current commercial or industrial use sites that are presently vacant or underutilized, on which there is suspected to have been a discharge of a contamination to the soil or groundwater at concentrations greater than applicable cleanup criteria.

Date of Government Version: 12/03/2012
Date Data Arrived at EDR: 02/27/2013
Date Made Active in Reports: 04/05/2013
Number of Days to Update: 37

Source: Department of Environmental Protection
Telephone: 609-292-1251
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/22/2014
Date Data Arrived at EDR: 12/22/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 38

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/24/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/23/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: No Update Planned

NY SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006
Date Data Arrived at EDR: 11/15/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

NY SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 01/06/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Semi-Annually

NJ SWRCY: Approved Class B Recycling Facilities

"Class B recyclable material" means a source separated recyclable material which is subject to Department approval prior to receipt, storage, processing or transfer at a recycling center in accordance with N.J.S.A. 13:1E-99.34b.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/04/2015
Date Made Active in Reports: 02/23/2015
Number of Days to Update: 19

Source: Department of Environmental Protection
Telephone: 609-984-6650
Last EDR Contact: 02/04/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/03/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Quarterly

NY DEL SHWS: Delisted Registry Sites

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

Date of Government Version: 03/25/2015
Date Data Arrived at EDR: 03/26/2015
Date Made Active in Reports: 04/08/2015
Number of Days to Update: 13

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 03/26/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Annually

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/25/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/03/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: No Update Planned

Local Lists of Registered Storage Tanks

NY HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

NY HIST AST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

NY LIENS: Spill Liens Information

Lien information from the Oil Spill Fund.

Date of Government Version: 02/09/2015
Date Data Arrived at EDR: 02/12/2015
Date Made Active in Reports: 02/27/2015
Number of Days to Update: 15

Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Varies

NJ LIENS: Environmental LIENS

A listing of properties with environmental liens. The listing includes sites from the Site Remediation & Waste Management Program Sites where the Department has placed either a 1st Priority or Regular Spill Fund Lien against. 1st Priority Type Lien - a lien placed against the property where the discharged occurred providing that the owners of the property have some responsibility towards the discharge. First Priority Lien is superior to other types of liens. Non-Priority (Regular) Type Lien - a lien placed against the Responsible Party & their revenues and all real and personal property, other than the real property comprising the location of the discharge.

Date of Government Version: 03/26/2015
Date Data Arrived at EDR: 03/27/2015
Date Made Active in Reports: 04/06/2015
Number of Days to Update: 10

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

Records of Emergency Release Reports

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/29/2014
Date Data Arrived at EDR: 12/30/2014
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 69

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

NY SPILLS: Spills Information Database

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

Date of Government Version: 03/19/2015
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 03/26/2015
Number of Days to Update: 7

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/19/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

NY HIST SPILLS: SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NY SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NY SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NJ SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/15/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/11/2013
Number of Days to Update: 39

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

NJ SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 09/02/1997
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 12/09/2014
Date Data Arrived at EDR: 12/29/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/31/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 02/03/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 06/06/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 09/18/2014
Number of Days to Update: 8

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 24

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/10/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 02/27/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Varies

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 12/30/2014
Date Data Arrived at EDR: 12/31/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 29

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 03/06/2015
Next Scheduled EDR Contact: 06/15/2015
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/31/2013
Date Made Active in Reports: 09/13/2013
Number of Days to Update: 44

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 01/29/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/27/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Every 4 Years

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 08/10/2015
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 31

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 10/15/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 33

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 12/29/2014
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 21

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 02/27/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/09/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 01/18/2015
Date Data Arrived at EDR: 02/27/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 26

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 03/09/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 02/01/2015
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 02/26/2013
Date Made Active in Reports: 04/19/2013
Number of Days to Update: 52

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 02/24/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Biennially

NY HSWDS: Hazardous Substance Waste Disposal Site Inventory

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/11/2015
Date Made Active in Reports: 03/20/2015
Number of Days to Update: 9

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 03/11/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

NJ UIC: Underground Injection Wells Database

A listing of underground injection well locations. The UIC Program is responsible for regulating the construction, operation, permitting, and closure of injection wells that place fluids underground for storage or disposal.

Date of Government Version: 01/09/2009
Date Data Arrived at EDR: 02/25/2009
Date Made Active in Reports: 03/11/2009
Number of Days to Update: 14

Source: Department of Environmental Protection
Telephone: 609-292-0407
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2015
Date Data Arrived at EDR: 02/04/2015
Date Made Active in Reports: 02/27/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 02/04/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

NY DRYCLEANERS: Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 01/12/2015
Date Data Arrived at EDR: 01/13/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 03/30/2015
Data Release Frequency: Varies

NJ DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 12/03/2014
Date Data Arrived at EDR: 12/05/2014
Date Made Active in Reports: 01/26/2015
Number of Days to Update: 52

Source: Department of Environmental Protection
Telephone: 609-292-2795
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Varies

NY SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 11/06/2014
Date Data Arrived at EDR: 11/07/2014
Date Made Active in Reports: 11/25/2014
Number of Days to Update: 18

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: No Update Planned

NJPDES: New Jersey Pollutant Discharge Elimination System Dischargers

The NJPDES contains the names, addresses and other information of all permitted New Jersey Pollutant Discharge Elimination Sytem dischargers.

Date of Government Version: 02/16/2015
Date Data Arrived at EDR: 02/17/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 17

Source: Department of Environmental Protection
Telephone: 609-984-4428
Last EDR Contact: 02/17/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

NY AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 02/24/2015
Date Data Arrived at EDR: 03/20/2015
Date Made Active in Reports: 04/15/2015
Number of Days to Update: 26

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Annually

NJ AIRS: Emissions Inventory Listing

An emission inventory is an estimate of air pollutant emissions in a given area. Emission inventories are fundamental building blocks used to develop air quality control strategies on a local, regional and national level. Emission inventories are also used to estimate the progress of an air quality program.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 08/07/2014
Date Made Active in Reports: 08/18/2014
Number of Days to Update: 11

Source: Department of Environmental Protection
Telephone: 609-984-5483
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

NY E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 03/17/2015
Date Data Arrived at EDR: 03/27/2015
Date Made Active in Reports: 04/23/2015
Number of Days to Update: 27

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 03/24/2015
Next Scheduled EDR Contact: 07/06/2015
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/18/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

NY Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 01/06/2015
Date Data Arrived at EDR: 01/08/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Quarterly

NY Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/01/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Varies

NY COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 01/08/2015
Date Data Arrived at EDR: 01/09/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 10/16/2014
Date Data Arrived at EDR: 10/31/2014
Date Made Active in Reports: 11/17/2014
Number of Days to Update: 17

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 03/30/2015
Next Scheduled EDR Contact: 07/13/2015
Data Release Frequency: Annually

NJ COAL ASH: Coal Ash Listing
Coal combustion survey ash listing.

Date of Government Version: 05/10/2010
Date Data Arrived at EDR: 05/12/2010
Date Made Active in Reports: 06/28/2010
Number of Days to Update: 47

Source: Department of Environmental Protection
Telephone: 609-984-6985
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/09/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/25/2015
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 02/16/2015
Next Scheduled EDR Contact: 06/01/2015
Data Release Frequency: Quarterly

NJ Financial Assurance: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 11/07/2014
Date Data Arrived at EDR: 12/18/2014
Date Made Active in Reports: 01/22/2015
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 609-341-3121
Last EDR Contact: 01/26/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Semi-Annually

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/30/2015
Next Scheduled EDR Contact: 05/11/2015
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/09/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 04/15/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: N/A

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/13/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014
Date Data Arrived at EDR: 11/26/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 04/10/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: Varies

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/13/2015
Next Scheduled EDR Contact: 05/25/2015
Data Release Frequency: Quarterly

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

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

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

NY RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

NJ RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Jersey Department of Environmental Protection in New Jersey.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: New Jersey Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

NJ RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the New Jersey Department of Environmental Protection in New Jersey.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/24/2013
Number of Days to Update: 176

Source: New Jersey Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 02/18/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 10

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 02/18/2015
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 10

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Quarterly

NASSAU COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 11/20/2013
Date Data Arrived at EDR: 11/22/2013
Date Made Active in Reports: 02/11/2014
Number of Days to Update: 81

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/06/2015
Next Scheduled EDR Contact: 07/20/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 12/15/2014
Date Data Arrived at EDR: 12/18/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 26

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 12/15/2014
Date Data Arrived at EDR: 12/18/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 26

Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 03/23/2015
Next Scheduled EDR Contact: 06/22/2015
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13

Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 11/03/2014
Next Scheduled EDR Contact: 02/16/2015
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 32

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

Listing of Storage Tanks
A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 12/11/2014
Date Data Arrived at EDR: 12/12/2014
Date Made Active in Reports: 01/13/2015
Number of Days to Update: 32

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 02/02/2015
Next Scheduled EDR Contact: 05/18/2015
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/17/2014
Next Scheduled EDR Contact: 03/02/2015
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/14/2015
Next Scheduled EDR Contact: 07/27/2015
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/21/2014
Date Made Active in Reports: 08/25/2014
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/16/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/15/2014
Date Made Active in Reports: 08/13/2014
Number of Days to Update: 29

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/23/2015
Next Scheduled EDR Contact: 06/08/2015
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data
Hazardous waste manifest information.

Date of Government Version: 12/22/2014
Date Data Arrived at EDR: 02/06/2015
Date Made Active in Reports: 02/27/2015
Number of Days to Update: 21

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/17/2015
Next Scheduled EDR Contact: 08/03/2015
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 03/19/2015
Date Made Active in Reports: 04/07/2015
Number of Days to Update: 19

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/13/2015
Next Scheduled EDR Contact: 06/29/2015
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

440 - 432 WASHINGTON STREET
440 WASHINGTON STREET
NEW YORK, NY 10013

TARGET PROPERTY COORDINATES

Latitude (North):	40.7233 - 40° 43' 23.88''
Longitude (West):	74.0107 - 74° 0' 38.52''
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	583551.5
UTM Y (Meters):	4508300.5
Elevation:	7 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	40074-F1 JERSEY CITY, NJ NY
Most Recent Revision:	1981
East Map:	40073-F8 BROOKLYN, NY
Most Recent Revision:	1995

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

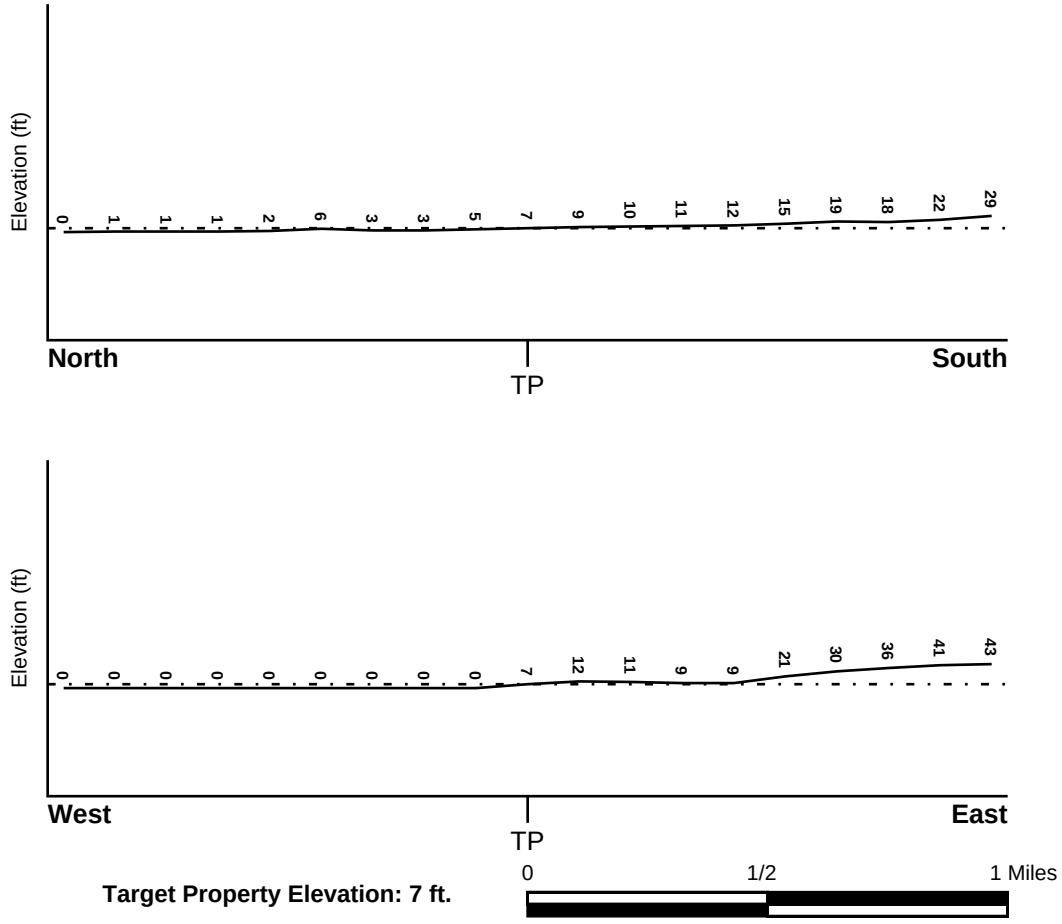
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 7 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
NEW YORK, NY	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3604970046B - FEMA Q3 Flood data

Additional Panels in search area:
3604970047B - FEMA Q3 Flood data
3604970054B - FEMA Q3 Flood data
3604970055B - FEMA Q3 Flood data
34017C - FEMA DFIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
JERSEY CITY	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT **GEOLOGIC AGE IDENTIFICATION**

Era:	Paleozoic	Category:	Stratified Sequence
System:	Ordovicias		
Series:	Lower Ordovician and Cambrian carbonate rocks		
Code:	OC *(decoded above as Era, System & Series)*		

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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

OTHER SOIL TYPES IN AREA

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

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

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

Shallow Soil Types: sandy loam

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

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000829895	0 - 1/8 Mile SE
A2	USGS40000829897	0 - 1/8 Mile SE
A3	USGS40000829896	0 - 1/8 Mile SE
A4	USGS40000829847	0 - 1/8 Mile SSE
5	USGS40000829836	1/8 - 1/4 Mile SE
B6	USGS40000829795	1/8 - 1/4 Mile SSE
B7	USGS40000829794	1/8 - 1/4 Mile SSE
B8	USGS40000829793	1/8 - 1/4 Mile SSE
B9	USGS40000829796	1/8 - 1/4 Mile SSE
B10	USGS40000829799	1/8 - 1/4 Mile SSE
B11	USGS40000829798	1/8 - 1/4 Mile SSE
B12	USGS40000829797	1/8 - 1/4 Mile SSE
B13	USGS40000829783	1/8 - 1/4 Mile SSE
C14	USGS40000830097	1/8 - 1/4 Mile NE
C15	USGS40000830099	1/8 - 1/4 Mile NE
C16	USGS40000830098	1/8 - 1/4 Mile NE
17	USGS40000829750	1/4 - 1/2 Mile South
18	USGS40000830018	1/4 - 1/2 Mile ENE
19	USGS40000829937	1/4 - 1/2 Mile East
D20	USGS40000829846	1/4 - 1/2 Mile ESE
21	USGS40000829684	1/4 - 1/2 Mile SE
D22	USGS40000829825	1/4 - 1/2 Mile ESE
E23	USGS40000829885	1/4 - 1/2 Mile East
E24	USGS40000829886	1/4 - 1/2 Mile East
F25	USGS40000830224	1/4 - 1/2 Mile NNE
F26	USGS40000830231	1/4 - 1/2 Mile NNE
G27	USGS40000829618	1/4 - 1/2 Mile South
G28	USGS40000829619	1/4 - 1/2 Mile South
G29	USGS40000829620	1/4 - 1/2 Mile South
F30	USGS40000830201	1/4 - 1/2 Mile NNE
F31	USGS40000830230	1/4 - 1/2 Mile NNE
E32	USGS40000829869	1/4 - 1/2 Mile East
E33	USGS40000829870	1/4 - 1/2 Mile East
34	USGS40000830200	1/4 - 1/2 Mile NE
H35	USGS40000829617	1/4 - 1/2 Mile SSE
H36	USGS40000829635	1/4 - 1/2 Mile SSE
37	USGS40000829723	1/2 - 1 Mile SE
38	USGS40000830321	1/2 - 1 Mile NNE
I39	USGS40000829590	1/2 - 1 Mile SSE
J40	USGS40000830392	1/2 - 1 Mile NNE
J41	USGS40000830393	1/2 - 1 Mile NNE
J42	USGS40000830394	1/2 - 1 Mile NNE
I43	USGS40000829579	1/2 - 1 Mile SSE
44	USGS40000829599	1/2 - 1 Mile SE
K45	USGS40000829781	1/2 - 1 Mile ESE
K46	USGS40000829782	1/2 - 1 Mile ESE
L47	USGS40000829508	1/2 - 1 Mile South
L48	USGS40000829502	1/2 - 1 Mile South
M50	USGS40000830493	1/2 - 1 Mile NNE
52	USGS40000829894	1/2 - 1 Mile East
O53	USGS40000829683	1/2 - 1 Mile ESE
N54	USGS40000829501	1/2 - 1 Mile SSE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
O55	USGS40000829658	1/2 - 1 Mile ESE
56	USGS40000829462	1/2 - 1 Mile SSE
57	USGS40000829500	1/2 - 1 Mile SSE
58	USGS40000829733	1/2 - 1 Mile ESE
P59	USGS40000829948	1/2 - 1 Mile East
P60	USGS40000829989	1/2 - 1 Mile East
Q61	USGS40000829780	1/2 - 1 Mile ESE
R62	USGS40000829400	1/2 - 1 Mile South
R63	USGS40000829399	1/2 - 1 Mile SSE
64	USGS40000829893	1/2 - 1 Mile East
Q65	USGS40000829749	1/2 - 1 Mile ESE
S66	USGS40000829354	1/2 - 1 Mile South
S67	USGS40000829344	1/2 - 1 Mile South
68	USGS40000829748	1/2 - 1 Mile ESE
69	USGS40000829657	1/2 - 1 Mile ESE
70	USGS40000829390	1/2 - 1 Mile SSE
71	USGS40000830096	1/2 - 1 Mile ENE
72	USGS40000829470	1/2 - 1 Mile SE
T73	USGS40000830815	1/2 - 1 Mile North
74	USGS40000829343	1/2 - 1 Mile SSE
75	USGS40000829507	1/2 - 1 Mile SE
T76	USGS40000830855	1/2 - 1 Mile North
U77	USGS40000829387	1/2 - 1 Mile SSE
U78	USGS40000829388	1/2 - 1 Mile SSE
U79	USGS40000829389	1/2 - 1 Mile SSE
80	USGS40000829312	1/2 - 1 Mile South

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
N51	NY0001616	1/2 - 1 Mile SSE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	NYOG70000000082	0 - 1/8 Mile NNE
A2	NYOG70000000081	0 - 1/8 Mile NNE
A4	NYOG70000000084	0 - 1/8 Mile NNE
A3	NYOG70000000083	0 - 1/8 Mile NNE
A6	NYOG70000000087	1/8 - 1/4 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A5	NYOG70000000086	1/8 - 1/4 Mile NNE
B7	NYOG70000000069	1/8 - 1/4 Mile SE
B8	NYOG70000000068	1/8 - 1/4 Mile SE
9	NYOG70000000085	1/8 - 1/4 Mile NE
10	NYOG70000000067	1/4 - 1/2 Mile SSE
11	NYOG70000000061	1/4 - 1/2 Mile SE
C12	NYOG70000000057	1/4 - 1/2 Mile SSE
C13	NYOG70000000056	1/4 - 1/2 Mile SSE
D14	NYOG70000000095	1/4 - 1/2 Mile NNE
C15	NYOG70000000053	1/4 - 1/2 Mile South
D16	NYOG70000000093	1/4 - 1/2 Mile NNE
C17	NYOG70000000050	1/4 - 1/2 Mile SSE
C18	NYOG70000000051	1/4 - 1/2 Mile SSE
C19	NYOG70000000052	1/4 - 1/2 Mile SSE
20	NYOG70000000060	1/2 - 1 Mile SE
21	NYOG70000000054	1/2 - 1 Mile SE
E22	NYOG70000000065	1/2 - 1 Mile ESE
E23	NYOG70000000066	1/2 - 1 Mile ESE
24	NYOG70000000045	1/2 - 1 Mile South
25	NYOG70000000097	1/2 - 1 Mile NNE
26	NYOG70000000070	1/2 - 1 Mile East
F27	NYOG70000000059	1/2 - 1 Mile ESE
F28	NYOG70000000058	1/2 - 1 Mile ESE
G29	NYOG70000000091	1/2 - 1 Mile ENE
G30	NYOG70000000094	1/2 - 1 Mile ENE
31	NYOG70000000062	1/2 - 1 Mile ESE
32	NYOG70000000079	1/2 - 1 Mile East
33	NYOG70000000098	1/2 - 1 Mile NNE
H34	NYOG70000000064	1/2 - 1 Mile ESE
H35	NYOG70000000063	1/2 - 1 Mile ESE
I36	NYOG70000000073	1/2 - 1 Mile East
I37	NYOG70000000074	1/2 - 1 Mile East
I38	NYOG70000000077	1/2 - 1 Mile East
I39	NYOG70000000078	1/2 - 1 Mile East
I40	NYOG70000000071	1/2 - 1 Mile East
I41	NYOG70000000072	1/2 - 1 Mile East
I42	NYOG70000000075	1/2 - 1 Mile East
I43	NYOG70000000076	1/2 - 1 Mile East
44	NYOG70000000088	1/2 - 1 Mile ENE
45	NYOG70000000092	1/2 - 1 Mile ENE
46	NYOG70000000099	1/2 - 1 Mile NNE
47	NYOG70000000044	1/2 - 1 Mile SE
48	NYOG70000000047	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 4275967.2s

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

SITE NAME:	440 - 432 Washington Street	CLIENT:	Langan Engineering, Inc.
ADDRESS:	440 Washington Street New York NY 10013	CONTACT:	Renate Crollini
LAT/LONG:	40.7233 / 74.0107	INQUIRY #:	4275967.2s
		DATE:	April 27, 2015 1:04 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

A1
SE
0 - 1/8 Mile
Higher

FED USGS **USGS40000829895**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404321074003701		
Monloc name:	NY 35		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7226022
Longitude:	-74.0098619	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	39
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A2
SE
0 - 1/8 Mile
Higher

FED USGS **USGS40000829897**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404321074003703		
Monloc name:	NY 37		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7226022
Longitude:	-74.0098619	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Pleistocene Series		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	61
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A3
SE **FED USGS** **USGS40000829896**
0 - 1/8 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404321074003702		
Monloc name:	NY 36		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7226022
Longitude:	-74.0098619	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	38
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

A4
SSE **FED USGS** **USGS40000829847**
0 - 1/8 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404318074003801		
Monloc name:	NY 23		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7217689
Longitude:	-74.0101397	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	35
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

5
SE **FED USGS** **USGS40000829836**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404317074003001		
Monloc name:	NY 237. 1		
Monloc type:	Well		
Monloc desc:	29B-GEO-03/W		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7215189
Longitude:	-74.0081952	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	16.85
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	96
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B6
SSE **FED USGS** **USGS40000829795**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313074003303		
Monloc name:	NY 5		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.72038
Longitude:	-74.0087508	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	40
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B7
SSE **FED USGS** **USGS40000829794**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313074003302		
Monloc name:	NY 4		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.72038
Longitude:	-74.0087508	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	46
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B8
SSE **FED USGS** **USGS40000829793**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313074003301		
Monloc name:	NY 3		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.72038
Longitude:	-74.0087508	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	47
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B9
SSE **FED USGS** **USGS40000829796**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313074003304		
Monloc name:	NY 6		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.72038
Longitude:	-74.0087508	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	49
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B10
SSE **FED USGS** **USGS40000829799**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313074003307		
Monloc name:	NY 9		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.72038
Longitude:	-74.0087508	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	40
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B11
SSE **FED USGS** **USGS40000829798**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313074003306		
Monloc name:	NY 8		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.72038
Longitude:	-74.0087508	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	38
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B12
SSE **FED USGS** **USGS40000829797**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404313074003305		
Monloc name:	NY 7		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.72038
Longitude:	-74.0087508	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	44
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

B13
SSE **FED USGS** **USGS40000829783**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404312074003101		
Monloc name:	NY 213		
Monloc type:	Well		
Monloc desc:	ERICSSON ST-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7202967
Longitude:	-74.0084452	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	18.49
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	525
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C14
NE **FED USGS** **USGS40000830097**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404334074003001		
Monloc name:	NY 26		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7262133
Longitude:	-74.0079174	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	80
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C15
NE **FED USGS** **USGS40000830099**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404334074003003		
Monloc name:	NY 28		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7262133
Longitude:	-74.0079174	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

C16
NE **FED USGS** **USGS40000830098**
1/8 - 1/4 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404334074003002		
Monloc name:	NY 27		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7262133
Longitude:	-74.0079174	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	80
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

17
South **FED USGS** **USGS40000829750**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404310074003901		
Monloc name:	NY 22		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7195467
Longitude:	-74.0104175	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	60
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

18
ENE **FED USGS** **USGS40000830018**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404328074002201		
Monloc name:	NY 143		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7245466
Longitude:	-74.0056951	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	40
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

19
East **FED USGS** **USGS40000829937**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404323074001701		
Monloc name:	NY 74		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7231578
Longitude:	-74.0043062	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	160
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D20
ESE **FED USGS** **USGS40000829846**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404318074001701		
Monloc name:	NY 13		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7217689
Longitude:	-74.0043062	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	55
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

21
SE **FED USGS** **USGS40000829684**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404306074002501		
Monloc name:	NY 228		
Monloc type:	Well		
Monloc desc:	FRANKLIN ST-B		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7186856
Longitude:	-74.006584	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	11.40
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

D22
ESE **FED USGS** **USGS40000829825**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404316074001501		
Monloc name:	NY 95		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7212134
Longitude:	-74.0037506	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	55
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E23
East **FED USGS** **USGS40000829885**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404320074001201		
Monloc name:	NY 64		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7223245
Longitude:	-74.0029173	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	31
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E24
East **FED USGS** **USGS40000829886**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404320074001202		
Monloc name:	NY 65		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7223245
Longitude:	-74.0029173	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	31
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

F25
NNE **FED USGS** **USGS40000830224**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404343074002601		
Monloc name:	NY 172		
Monloc type:	Well		
Monloc desc:	HUDSON & HOUSTON STREETS-B		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7287132
Longitude:	-74.0068063	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Unknown		
Horiz coord refsys:	NAD83	Vert measure val:	17.32
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	640.7
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

F26
NNE **FED USGS** **USGS40000830231**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404344074002801		
Monloc name:	NY 32		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.728991
Longitude:	-74.0073619	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	70
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

G27
South **FED USGS** **USGS40000829618**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404301074003801		
Monloc name:	NY 133		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7170468
Longitude:	-74.0101397	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	78
Welldepth units:	ft	Wellholedepth:	92
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

G28
South **FED USGS** **USGS40000829619**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404301074003802		
Monloc name:	NY 134		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7170468
Longitude:	-74.0101397	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	71
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

G29
South **FED USGS** **USGS40000829620**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404301074003803		
Monloc name:	NY 135		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7170468
Longitude:	-74.0101397	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	31
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

F30
NNE **FED USGS** **USGS40000830201**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404341074002501		
Monloc name:	NY 184. 1		
Monloc type:	Well		
Monloc desc:	HOUSTON ST-A		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7287854
Longitude:	-74.0065924	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	16.57
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		

Aquifer type:	Not Reported		
Construction date:	20020412	Welldepth:	663.84
Welldepth units:	ft	Wellholedepth:	663.84
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

F31
NNE **FED USGS** **USGS40000830230**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404344074002601		
Monloc name:	NY 248. 1		
Monloc type:	Well		
Monloc desc:	28B-GEO-02/W		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7291854
Longitude:	-74.0068896	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	17.82
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Pleistocene Series		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	100
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E32
East **FED USGS** **USGS40000829869**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404319074000901		
Monloc name:	NY 11		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7220467
Longitude:	-74.0020839	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	52
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

E33
East **FED USGS** **USGS40000829870**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404319074000902		
Monloc name:	NY 12		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7220467
Longitude:	-74.0020839	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	15
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	52
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

34
NE **FED USGS** **USGS40000830200**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404341074001801		
Monloc name:	NY 57		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7281577
Longitude:	-74.004584	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	65
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

H35
SSE **FED USGS** **USGS40000829617**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404301074002801		
Monloc name:	NY 142		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7170468
Longitude:	-74.0073618	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	50
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

H36
SSE **FED USGS** **USGS40000829635**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404302074002401		
Monloc name:	NY 16		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7173246
Longitude:	-74.0062507	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	56
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

37
SE **FED USGS** **USGS40000829723**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404308074001201		
Monloc name:	NY 149		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7189912
Longitude:	-74.0029173	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	38
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

38
NNE **FED USGS** **USGS40000830321**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404349074002701		
Monloc name:	NY 40		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7303798
Longitude:	-74.0070841	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	52
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

I39
SSE **FED USGS** **USGS40000829590**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404259074002301		
Monloc name:	NY 98		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7164912
Longitude:	-74.0059729	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	46
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

J40
NNE **FED USGS** **USGS40000830392**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404352074003101		
Monloc name:	NY 130		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7312131
Longitude:	-74.0081952	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	35
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

J41
NNE **FED USGS** **USGS40000830393**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404352074003102		
Monloc name:	NY 131		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7312131
Longitude:	-74.0081952	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	35
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

J42
NNE **FED USGS** **USGS40000830394**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404352074003103		
Monloc name:	NY 132		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7312131
Longitude:	-74.0081952	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	35
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

I43
SSE **FED USGS** **USGS40000829579**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404258074002101		
Monloc name:	NY 101		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7162135
Longitude:	-74.0054173	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	51
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

44
SE **FED USGS** **USGS40000829599**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404300074001001		
Monloc name:	NY 214. 1		
Monloc type:	Well		
Monloc desc:	FRANKLIN ST-A		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7170107
Longitude:	-74.0025339	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	19.88
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		

Aquifer type:	Not Reported		
Construction date:	20030911	Welldepth:	545
Welldepth units:	ft	Wellholedepth:	545
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		-4.29	2004-11-10		-0.32
2004-07-26		3.17	2004-04-19		-0.17
2004-02-18		-0.29	2003-11-12		-0.01

K45
ESE **FED USGS** **USGS40000829781**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404312073595901		
Monloc name:	NY 216		
Monloc type:	Well		
Monloc desc:	GRAND ST-B		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.720269
Longitude:	-73.9993894	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	25.61
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	547.4
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 4

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-07-26		1.20	2004-04-21		1.22
2004-02-18		1.26	2003-11-24		1.31

K46
ESE **FED USGS** **USGS40000829782**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404312073595902		
Monloc name:	NY 244. 1		
Monloc type:	Well		
Monloc desc:	GRAND ST-W		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.720269
Longitude:	-73.9993894	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	25.63
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Pleistocene Series		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	66.6
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

L47
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000829508**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404251074004701		
Monloc name:	NY 105		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.714269
Longitude:	-74.0126398	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	5
Vert measure units:	feet	Vertacc measure val:	2
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	67
Welldepth units:	ft	Wellholedepth:	69
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

L48
South
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000829502**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404250074004401		
Monloc name:	NY 110		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7139913
Longitude:	-74.0118064	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	56
Welldepth units:	ft	Wellholedepth:	61
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

M49
NNE
1/2 - 1 Mile
Higher

Site ID:	16311
Groundwater Flow:	NOT REPORTED
Water Table Depth:	4.96-5.92
Date:	10/01/92

AQUIFLOW **4531**

M50
NNE
1/2 - 1 Mile
Higher | **FED USGS** | **USGS40000830493**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404356074002401		
Monloc name:	NY 199		
Monloc type:	Well		
Monloc desc:	GROVE STREET-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7323242
Longitude:	-74.0062507	Sourcemap scale:	24000

Horiz Acc measure:	1	Horiz Acc measure units:	minutes
Horiz Collection method:	Unknown		
Horiz coord refsys:	NAD83	Vert measure val:	20.87
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	644.77
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

N51
SSE **FRDS PWS** **NY0001616**
1/2 - 1 Mile
Higher

PWS ID:	NY0001616		
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	CAMP NORTHWOOD RD #1, NORTHWOOD ROAD REMSEN, NY 13438		
Addressee / Facility:	System Owner/Responsible Party FELT GORDON W CAMP NORTHWOOD INC. 10 W 66TH STREET NEW YORK, NY 10023		
Facility Latitude:	40 42 51	Facility Longitude:	074 00 23
City Served:	RUSSIA (T)		
Treatment Class	Not Reported	Population:	Not Reported

Violations information not reported.

52
East **FED USGS** **USGS40000829894**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404321073595301		
Monloc name:	NY 232		
Monloc type:	Well		
Monloc desc:	CROSBY ST-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7228522
Longitude:	-73.9978894	Sourcemap scale:	24000

Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	33.47
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	578
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-04-19		2.44	2004-04-05		2.43
2004-02-18		2.76			

O53
ESE **FED USGS** **USGS40000829683**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404306073595801		
Monloc name:	NY 229		
Monloc type:	Well		
Monloc desc:	HESTER ST-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7185746
Longitude:	-73.9992505	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	19.08
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	548
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 5

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-11-10		1.11	2004-07-26		1.49
2004-04-19		1.36	2004-04-02		1.31
2004-02-18		1.21			

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

N54
SSE **FED USGS** **USGS40000829501**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404250074002201		
Monloc name:	NY 10		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7139913
Longitude:	-74.0056951	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	35
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Pleistocene Series		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	52
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

O55
ESE **FED USGS** **USGS40000829658**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404304073595701		
Monloc name:	NY 230		
Monloc type:	Well		
Monloc desc:	BAXTER ST-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7181023
Longitude:	-73.9988894	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	21.48
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	528.8
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

56
SSE **FED USGS** **USGS40000829462**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404246074002901		
Monloc name:	NY 2		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7128802
Longitude:	-74.0076396	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	66
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

57
SSE **FED USGS** **USGS40000829500**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404250074001401		
Monloc name:	NY 34		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7139913
Longitude:	-74.0034728	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	100
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

58
ESE **FED USGS** **USGS40000829733**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404309073595101		
Monloc name:	NY 215. 1		
Monloc type:	Well		
Monloc desc:	GRAND ST-A		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7193162
Longitude:	-73.9971143	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	28.25
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		
Aquifer type:	Not Reported		
Construction date:	20021030	Welldepth:	599.7
Welldepth units:	ft	Wellholedepth:	599.7
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		0.23	2004-11-10		3.06
2004-07-26		3.44	2004-04-19		3.18
2004-02-18		2.90	2004-02-18		2.90

P59
East **FED USGS** **USGS40000829948**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404324073594501		
Monloc name:	NY 231		
Monloc type:	Well		
Monloc desc:	MULBERRY ST-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7234633
Longitude:	-73.9956115	Sourcemap scale:	24000

Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	42.07
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	570
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2004-04-19		3.56	2004-04-05		3.65
2004-02-18		3.98			

P60
East
1/2 - 1 Mile
Higher

FED USGS **USGS40000829989**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404326073594501		
Monloc name:	NY 119		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7239911
Longitude:	-73.995417	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	45
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	65
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

Q61
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000829780**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404312073594401		
Monloc name:	NY 178. 1		
Monloc type:	Well		
Monloc desc:	ELIZABETH ST-A		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7201329
Longitude:	-73.9952337	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	37.88
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		
Aquifer type:	Not Reported		
Construction date:	20020718	Welldepth:	600
Welldepth units:	ft	Wellholedepth:	600
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 9

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		2.18	2004-11-10		4.24
2004-07-26		4.57	2004-04-19		4.30
2004-02-18		4.08	2003-09-24		4.02
2003-08-27		4.23	2003-06-24		4.24
2002-10-09		3.77			

R62
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000829400**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404240074002901		
Monloc name:	NY 41. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7112136
Longitude:	-74.0076396	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30.0
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	54
Welldepth units:	ft	Wellholedepth:	76
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

R63
SSE **FED USGS** **USGS40000829399**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404240074002601		
Monloc name:	NY 97		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7112136
Longitude:	-74.0068063	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	65
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

64
East **FED USGS** **USGS40000829893**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404321073594101		
Monloc name:	NY 192. 1		
Monloc type:	Well		
Monloc desc:	PRINCE & ELIZABETH STREETS-A		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7227245
Longitude:	-73.9943031	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	46.87
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		

Aquifer type:	Not Reported		
Construction date:	20010410	Welldepth:	665
Welldepth units:	ft	Wellholedepth:	665
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 19

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		2.32	2004-11-10		4.52
2004-07-26		4.68	2004-06-28		4.56
2004-04-19		4.32	2004-02-18		4.47
2004-01-07		4.51	2003-11-21		4.40
2003-10-08		4.21	2003-10-01		4.28
2003-10-01		4.25	2003-09-29		4.28
2003-09-17		4.42	2003-08-27		4.63
2003-06-24		4.75	2002-10-09		3.83
2002-06-25		3.71	2002-04-03		3.67
2002-01-09		3.72			

Q65
ESE
1/2 - 1 Mile
Higher

FED USGS **USGS40000829749**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404310073594201		
Monloc name:	NY 169. 1		
Monloc type:	Well		
Monloc desc:	BROOME STREET-B		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7197245
Longitude:	-73.9947087	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	38.57
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		
Aquifer type:	Not Reported		
Construction date:	20010405	Welldepth:	664.82
Welldepth units:	ft	Wellholedepth:	664.82
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 12

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		4.15	2004-11-10		5.67
2004-07-26		6.06	2004-04-19		5.71
2004-02-18		5.50	2003-09-24		5.99
2003-08-27		6.19	2003-06-24		6.15
2002-10-09		5.81	2002-06-25		6.09
2002-04-03		6.03	2002-01-09		5.90

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

S66
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000829354**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404236074003701		
Monloc name:	NY 114. 1		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02030201	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7101025
Longitude:	-74.0098619	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	30.0
Vert measure units:	feet	Vertacc measure val:	1
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	77
Welldepth units:	ft	Wellholedepth:	77
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

S67
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000829344**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404235074004101		
Monloc name:	NY 140		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7098247
Longitude:	-74.010973	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	20
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	68
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

68
ESE **FED USGS** **USGS40000829748**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404310073593701		
Monloc name:	NY 175		
Monloc type:	Well		
Monloc desc:	FORSYTH ST-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7198245
Longitude:	-73.9934726	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Unknown		
Horiz coord refsys:	NAD83	Vert measure val:	40.31
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	600.87
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 3

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2002-10-09		3.24	2002-07-09		3.11
2002-06-25		3.08			

69
ESE **FED USGS** **USGS40000829657**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404304073594101		
Monloc name:	NY 148		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7178801
Longitude:	-73.9943059	Sourcemap scale:	24000

Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	40
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	35
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

70
SSE **FED USGS** **USGS40000829390**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404239074001001		
Monloc name:	NY 179		
Monloc type:	Well		
Monloc desc:	MPP-5 POLICE PLAZA		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7111303
Longitude:	-74.0026117	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Unknown		
Horiz coord refsys:	NAD83	Vert measure val:	19.36
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Unknown		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	644.85
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 16

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		-0.59	2004-11-10		-0.19
2004-10-06		5.13	2004-07-29		5.31
2004-06-28		4.81	2004-04-19		4.95
2004-02-18		4.62	2004-01-07		4.47
2003-11-21		4.76	2003-10-08		4.73
2003-09-19		5.05	2003-09-15		4.96
2002-10-09		4.94	2002-06-25		4.50
2002-04-03		4.69	2002-01-09		4.68

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

71
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS40000830096**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404334073593601		
Monloc name:	NY 202		
Monloc type:	Well		
Monloc desc:	BOND ST-A		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7262411
Longitude:	-73.9931392	Sourcemap scale:	24000
Horiz Acc measure:	.1	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	47.37
Vert measure units:	feet	Vertacc measure val:	0.1
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Bedrock		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	604
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

72
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000829470**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404247073595801		
Monloc name:	NY 193. 1		
Monloc type:	Well		
Monloc desc:	ST JAMES PLACE-A		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7132663
Longitude:	-73.9984449	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	29.21
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		

Aquifer type:	Not Reported		
Construction date:	20010507	Welldepth:	651.9
Welldepth units:	ft	Wellholedepth:	651.9
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 20

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-09		-0.11	2004-11-29		0.58
2004-11-10		0.51	2004-10-06		1.38
2004-07-26		1.48	2004-06-28		1.40
2004-04-19		1.49	2004-02-18		1.15
2004-01-07		0.98	2003-11-21		1.18
2003-10-08		1.13	2003-09-19		1.35
2003-09-17		1.25			
2003-09-15		1.27			
Note: Water level was affected by tide stage.					
2003-08-27		1.27	2003-06-24		1.43
2002-10-09		1.33	2002-06-25		1.03
2002-04-03		1.11	2002-01-09		1.16

T73
North **FED USGS** **USGS40000830815**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404413074003401		
Monloc name:	NY 62		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7370464
Longitude:	-74.0090286	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	90
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

74
SSE **FED USGS** **USGS40000829343**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404235074002201		
Monloc name:	NY 113		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7098247
Longitude:	-74.0056951	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	57
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

75
SE
1/2 - 1 Mile
Higher

FED USGS **USGS40000829507**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404251073594801		
Monloc name:	NY 203. 1		
Monloc type:	Well		
Monloc desc:	DIVISION ST-A		
Huc code:	02030101	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7142858
Longitude:	-73.9962949	Sourcemap scale:	24000
Horiz Acc measure:	.01	Horiz Acc measure units:	seconds
Horiz Collection method:	Transit, theodolite, or other surveying method		
Horiz coord refsys:	NAD83	Vert measure val:	42.32
Vert measure units:	feet	Vertacc measure val:	.01
Vert accmeasure units:	feet		
Vertcollection method:	Level or other surveying method		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New England crystalline-rock aquifers		
Formation type:	Basement Complex		
Aquifer type:	Not Reported		
Construction date:	20020927	Welldepth:	604.3
Welldepth units:	ft	Wellholedepth:	604.3
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 6

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-02-14		0.60	2004-11-10		1.61
2004-10-13		1.92	2004-07-26		2.06
2004-04-19		2.11	2004-02-18		1.72

T76
North **FED USGS** **USGS40000830855**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404415074003201		
Monloc name:	NY 166		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7376019
Longitude:	-74.008473	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	10
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Pleistocene Series		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	40
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

U77
SSE **FED USGS** **USGS40000829387**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404239074000501		
Monloc name:	NY 54		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7109358
Longitude:	-74.0009728	Sourcemap scale:	24000

Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	52
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	114
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

U78
SSE **FED USGS** **USGS40000829388**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404239074000502		
Monloc name:	NY 55		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7109358
Longitude:	-74.0009728	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	87
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

U79
SSE **FED USGS** **USGS40000829389**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404239074000503		
Monloc name:	NY 56		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7109358
Longitude:	-74.0009728	Sourcemap scale:	24000

Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand and Gravel		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	83
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

80
South
1/2 - 1 Mile
Higher

FED USGS **USGS40000829312**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-404232074003101		
Monloc name:	NY 111		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	40.7089914
Longitude:	-74.0081952	Sourcemap scale:	24000
Horiz Acc measure:	3	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	25
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Sand and gravel aquifers (glaciated regions)		
Formation type:	Sand		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	65
Welldepth units:	ft	Wellholedepth:	70
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

A1
NNE **OIL_GAS** **NYOG70000000082**
0 - 1/8 Mile

Api wellno:	31061237560001	Cnty:	New York
Hole:	23756	Sidetrck:	0
Completion:	1		
Well nm:	W-1		
Coname:	471 VE LLC		
Opno:	2565		
Dt approv:	16-JAN-08	Dt spud:	28-FEB-08
Dt comp:	06-MAY-08	Well typ:	Not Listed
Dtd:	1525		
Wl status:	Temporarily Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00997		
Yloc:	40.72475		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	10
Dt mod:	09-MAY-11	Site id:	NYOG70000000082

A2
NNE **OIL_GAS** **NYOG70000000081**
0 - 1/8 Mile

Api wellno:	31061237560000	Cnty:	New York
Hole:	23756	Sidetrck:	0
Completion:	0		
Well nm:	W-1		
Coname:	471 Washington Street Partners		
Opno:	2371		
Dt approv:	12-MAR-07	Dt spud:	27-JUL-07
Dt comp:	12-OCT-07	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00985		
Yloc:	40.72472		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	10
Dt mod:	06-DEC-07	Site id:	NYOG70000000081

A4
NNE **OIL_GAS** **NYOG70000000084**
0 - 1/8 Mile

Api wellno:	31061237570001	Cnty:	New York
Hole:	23757	Sidetrck:	0
Completion:	1		
Well nm:	W-2		
Coname:	471 VE LLC		
Opno:	2565		
Dt approv:	16-JAN-08	Dt spud:	13-FEB-08
Dt comp:	23-APR-08	Well typ:	Not Listed
Dtd:	1530		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00995		
Yloc:	40.72492		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	10
Dt mod:	18-JAN-11	Site id:	NYOG70000000084

A3
NNE **OIL_GAS** **NYOG70000000083**
0 - 1/8 Mile

Api wellno:	31061237570000	Cnty:	New York
Hole:	23757	Sidetrck:	0
Completion:	0		
Well nm:	W-2		
Coname:	471 Washington Street Partners		
Opno:	2371		
Dt approv:	12-MAR-07	Dt spud:	27-JUL-07
Dt comp:	12-OCT-07	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00995		
Yloc:	40.72492		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	10
Dt mod:	06-DEC-07	Site id:	NYOG70000000083

A6
NNE **OIL_GAS** **NYOG70000000087**
1/8 - 1/4 Mile

Api wellno:	31061237580001	Cnty:	New York
Hole:	23758	Sidetrck:	0
Completion:	1		
Well nm:	W-3		
Coname:	471 VE LLC		
Opno:	2565		
Dt approv:	16-JAN-08	Dt spud:	10-MAR-08
Dt comp:	20-MAY-08	Well typ:	Not Listed
Dtd:	1530		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-74.00988		
Yloc:	40.72503		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	10
Dt mod:	18-JAN-11	Site id:	NYOG70000000087

A5
NNE **OIL_GAS** **NYOG70000000086**
1/8 - 1/4 Mile

Api wellno:	31061237580000	Cnty:	New York
Hole:	23758	Sidetrck:	0
Completion:	0		
Well nm:	W-3		
Coname:	471 Washington Street Partners		
Opno:	2371		
Dt approv:	12-MAR-07	Dt spud:	27-JUL-07
Dt comp:	12-OCT-07	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00988		
Yloc:	40.72503		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	10
Dt mod:	06-DEC-07	Site id:	NYOG70000000086

B7
SE **OIL_GAS** **NYOG70000000069**
1/8 - 1/4 Mile

Api wellno:	31061237540000	Cnty:	New York
Hole:	23754	Sidetrck:	0
Completion:	0		
Well nm:	Holland - 2		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	29-JAN-07	Dt spud:	15-JUL-96
Dt comp:	29-JUL-96	Well typ:	Stratigraphic
Dtd:	541		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00808		
Yloc:	40.72171		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	20-JUL-07	Site id:	NYOG70000000069

Map ID
Direction
Distance

Database EDR ID Number

B8
SE **OIL_GAS** **NYOG70000000068**
1/8 - 1/4 Mile

Api wellno:	31061237530000	Cnty:	New York
Hole:	23753	Sidetrck:	0
Completion:	0		
Well nm:	Holland - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	29-JAN-07	Dt spud:	24-JUN-96
Dt comp:	11-JUL-96	Well typ:	Stratigraphic
Dtd:	542		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.00807		
Yloc:	40.72161		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	20-JUL-07	Site id:	NYOG70000000068

9
NE **OIL_GAS** **NYOG70000000085**
1/8 - 1/4 Mile

Api wellno:	31061237480000	Cnty:	New York
Hole:	23748	Sidetrck:	0
Completion:	0		
Well nm:	Broome - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	29-JAN-07	Dt spud:	12-AUG-97
Dt comp:	26-AUG-97	Well typ:	Stratigraphic
Dtd:	567		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.00784		
Yloc:	40.72494		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	20-JUL-07	Site id:	NYOG70000000085

10
SSE **OIL_GAS** **NYOG70000000067**
1/4 - 1/2 Mile

Api wellno:	31061210440000	Cnty:	New York
Hole:	21044	Sidetrck:	0
Completion:	0		
Well nm:	Ericsson A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	16-APR-03	Dt spud:	29-MAY-03
Dt comp:	25-JUN-03	Well typ:	Stratigraphic
Dtd:	529		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00825		
Yloc:	40.72018		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Manhattan Schist	Elevation:	15
Dt mod:	18-APR-06	Site id:	NYOG70000000067

11
SE **OIL_GAS** **NYOG70000000061**
1/4 - 1/2 Mile

Api wellno:	31061210610000	Cnty:	New York
Hole:	21061	Sidetrck:	0
Completion:	0		
Well nm:	Franklin St. - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	31-DEC-03	Dt spud:	19-JAN-04
Dt comp:	20-FEB-04	Well typ:	Stratigraphic
Dtd:	555		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00644		
Yloc:	40.71861		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	30
Dt mod:	24-APR-06	Site id:	NYOG70000000061

C12
SSE **OIL_GAS** **NYOG70000000057**
1/4 - 1/2 Mile

Api wellno:	31061210250000	Cnty:	New York
Hole:	21025	Sidetrck:	0
Completion:	0		
Well nm:	156 Reade St. NY-302		
Coname:	Abdalla, Susan		
Opno:	2376		
Dt approv:	01-DEC-00	Dt spud:	24-JAN-01
Dt comp:	27-JAN-01	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-74.00864		
Yloc:	40.71732		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	08-JUL-09	Site id:	NYOG70000000057

C13
SSE **OIL_GAS** **NYOG70000000056**
1/4 - 1/2 Mile

Api wellno:	31061210290000	Cnty:	New York
Hole:	21029	Sidetrck:	0
Completion:	0		
Well nm:	333 Greenwich St. NY-303		
Coname:	Downtown Greenwich LLC		
Opno:	2043		
Dt approv:	01-DEC-00	Dt spud:	29-JAN-01
Dt comp:	23-MAR-01	Well typ:	Geothermal
Dtd:	40		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00858		
Yloc:	40.71722		
Confid:	Well does not have confidential information.		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	30-OCT-06	Site id:	NYOG70000000056

D14
NNE **OIL_GAS** **NYOG70000000095**
1/4 - 1/2 Mile

Api wellno:	31061210790000	Cnty:	New York
Hole:	21079	Sidetrck:	0
Completion:	0		
Well nm:	Hudson St. - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	12-AUG-04	Dt spud:	14-JAN-04
Dt comp:	06-FEB-04	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00683		
Yloc:	40.72888		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Newark	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	Not Reported
Dt mod:	14-FEB-06	Site id:	NYOG70000000095

Map ID
Direction
Distance

Database EDR ID Number

C15
South
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000053**

Api wellno:	31061237510000	Cnty:	New York
Hole:	23751	Sidetrck:	0
Completion:	0		
Well nm:	Duane - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	29-JAN-07	Dt spud:	25-FEB-97
Dt comp:	17-MAR-97	Well typ:	Stratigraphic
Dtd:	566		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-74.0092		
Yloc:	40.71709		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	20-JUL-07	Site id:	NYOG70000000053

D16
NNE
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000093**

Api wellno:	31061210780000	Cnty:	New York
Hole:	21078	Sidetrck:	0
Completion:	0		
Well nm:	Houston St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	30-JUN-04	Dt spud:	06-MAR-02
Dt comp:	12-APR-02	Well typ:	Stratigraphic
Dtd:	664		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00649		
Yloc:	40.72876		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Manhattan Schist	Elevation:	0
Dt mod:	26-JUN-09	Site id:	NYOG70000000093

C17
SSE
1/4 - 1/2 Mile

OIL_GAS **NYOG70000000050**

Api wellno:	31061210270000	Cnty:	New York
Hole:	21027	Sidetrck:	0
Completion:	0		
Well nm:	150 Reade St. NY-304		
Coname:	Downtown Development LLC		
Opno:	2044		
Dt approv:	01-DEC-00	Dt spud:	23-FEB-01
Dt comp:	09-MAR-01	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00875		
Yloc:	40.71708		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	29-NOV-05	Site id:	NYOG70000000050

C18
SSE **OIL_GAS** **NYOG70000000051**
1/4 - 1/2 Mile

Api wellno:	31061210280000	Cnty:	New York
Hole:	21028	Sidetrck:	0
Completion:	0		
Well nm:	152 Reade St. NY-300		
Coname:	Downtown Development LLC		
Opno:	2044		
Dt approv:	01-DEC-00	Dt spud:	29-JAN-01
Dt comp:	05-FEB-01	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00866		
Yloc:	40.71708		
Confid:	Well does not have confidential information.		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	29-NOV-05	Site id:	NYOG70000000051

C19
SSE **OIL_GAS** **NYOG70000000052**
1/4 - 1/2 Mile

Api wellno:	31061210260000	Cnty:	New York
Hole:	21026	Sidetrck:	0
Completion:	0		
Well nm:	148 Reade St. NY-305		
Coname:	Merrin, Alfred and Venessa		
Opno:	2097		
Dt approv:	01-DEC-00	Dt spud:	19-FEB-01
Dt comp:	22-FEB-01	Well typ:	Geothermal
Dtd:	1100		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-74.00857		
Yloc:	40.71708		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	11
Dt mod:	08-JUL-09	Site id:	NYOG70000000052

20
SE
1/2 - 1 Mile

OIL_GAS **NYOG70000000060**

Api wellno:	31061210630000	Cnty:	New York
Hole:	21063	Sidetrck:	0
Completion:	0		
Well nm:	Walker St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	31-DEC-03	Dt spud:	20-JAN-04
Dt comp:	06-FEB-04	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Expired Permit	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00196		
Yloc:	40.71842		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	20
Dt mod:	19-JUL-06	Site id:	NYOG70000000060

21
SE
1/2 - 1 Mile

OIL_GAS **NYOG70000000054**

Api wellno:	31061210430000	Cnty:	New York
Hole:	21043	Sidetrck:	0
Completion:	0		
Well nm:	Franklin St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	16-APR-03	Dt spud:	26-AUG-03
Dt comp:	11-SEP-03	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00235		
Yloc:	40.71709		
Confid:	Released		
Wellst:	Other Well		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Fordham Gneiss	Elevation:	25
Dt mod:	26-JUN-09	Site id:	NYOG70000000054

Map ID
Direction
Distance

Database EDR ID Number

E22
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000065**

Api wellno:	31061210570000	Cnty:	New York
Hole:	21057	Sidetrck:	0
Completion:	0		
Well nm:	Grand St. - C		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	10-DEC-03	Dt spud:	19-JAN-04
Dt comp:	20-FEB-04	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Expired Permit	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99926		
Yloc:	40.72008		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	25.2
Dt mod:	26-OCT-05	Site id:	NYOG70000000065

E23
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000066**

Api wellno:	31061210510000	Cnty:	New York
Hole:	21051	Sidetrck:	0
Completion:	0		
Well nm:	Grand St. - B		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	18-SEP-03	Dt spud:	06-OCT-03
Dt comp:	17-OCT-03	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99919		
Yloc:	40.72017		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Not Applicable	Elevation:	25.2
Dt mod:	20-APR-06	Site id:	NYOG70000000066

24
South
1/2 - 1 Mile

OIL_GAS **NYOG70000000045**

Api wellno:	31061237550000	Cnty:	New York
Hole:	23755	Sidetrck:	0
Completion:	0		
Well nm:	Murray - 2		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	29-JAN-07	Dt spud:	12-MAY-97
Dt comp:	27-MAY-97	Well typ:	Stratigraphic
Dtd:	576		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Fordham Gneiss
Xloc:	-74.00924		
Yloc:	40.7139		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	20-JUL-07	Site id:	NYOG70000000045

25
NNE **OIL_GAS** **NYOG70000000097**
1/2 - 1 Mile

Api wellno:	31061210800000	Cnty:	New York
Hole:	21080	Sidetrck:	0
Completion:	0		
Well nm:	Grove St - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	23-JUL-04	Dt spud:	07-SEP-04
Dt comp:	19-MAY-01	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-74.00632		
Yloc:	40.73223		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Manhattan Schist	Elevation:	18
Dt mod:	28-DEC-05	Site id:	NYOG70000000097

26
East **OIL_GAS** **NYOG70000000070**
1/2 - 1 Mile

Api wellno:	31061210600000	Cnty:	New York
Hole:	21060	Sidetrck:	0
Completion:	0		
Well nm:	Crosby St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	10-DEC-03	Dt spud:	26-JAN-04
Dt comp:	06-FEB-04	Well typ:	Stratigraphic
Dtd:	578		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-73.99776		
Yloc:	40.72256		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	35
Dt mod:	24-APR-06	Site id:	NYOG70000000070

F27
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000059**

Api wellno:	31061210520000	Cnty:	New York
Hole:	21052	Sidetrck:	0
Completion:	0		
Well nm:	Hester St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	18-SEP-03	Dt spud:	01-OCT-03
Dt comp:	17-OCT-03	Well typ:	Stratigraphic
Dtd:	548		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-73.99913		
Yloc:	40.71827		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	19
Dt mod:	20-APR-06	Site id:	NYOG70000000059

F28
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000058**

Api wellno:	31061210420000	Cnty:	New York
Hole:	21042	Sidetrck:	0
Completion:	0		
Well nm:	Baxter St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	16-APR-03	Dt spud:	16-MAY-03
Dt comp:	20-JUN-03	Well typ:	Stratigraphic
Dtd:	529		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist
Xloc:	-73.99907		
Yloc:	40.71774		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Manhattan Schist	Elevation:	40
Dt mod:	19-JUL-07	Site id:	NYOG70000000058

Map ID
Direction
Distance

Database EDR ID Number

G29
ENE
1/2 - 1 Mile

OIL_GAS **NYOG70000000091**

Api wellno:	31061210410000	Cnty:	New York
Hole:	21041	Sidetrck:	0
Completion:	0		
Well nm:	534 LaGuardia Place AIA 2		
Coname:	Amer. Institute of Architects NY Chapter		
Opno:	2154		
Dt approv:	09-APR-03	Dt spud:	05-MAY-03
Dt comp:	05-MAY-03	Well typ:	Geothermal
Dtd:	1250		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99843		
Yloc:	40.72866		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	36
Dt mod:	08-JUL-09	Site id:	NYOG70000000091

G30
ENE
1/2 - 1 Mile

OIL_GAS **NYOG70000000094**

Api wellno:	31061210400000	Cnty:	New York
Hole:	21040	Sidetrck:	0
Completion:	0		
Well nm:	534 LaGuardia Place AIA 1		
Coname:	Amer. Institute of Architects NY Chapter		
Opno:	2154		
Dt approv:	08-APR-03	Dt spud:	23-APR-03
Dt comp:	16-MAY-03	Well typ:	Geothermal
Dtd:	1250		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99833		
Yloc:	40.72879		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	36
Dt mod:	08-JUL-09	Site id:	NYOG70000000094

31
ESE
1/2 - 1 Mile

OIL_GAS **NYOG70000000062**

Api wellno:	31061236190000	Cnty:	New York
Hole:	23619	Sidetrck:	0
Completion:	0		
Well nm:	Grand St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	21-MAR-05	Dt spud:	27-JUN-02
Dt comp:	26-JUL-02	Well typ:	Stratigraphic
Dtd:	600		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.997		
Yloc:	40.71913		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Manhattan Schist	Elevation:	0
Dt mod:	26-JUN-09	Site id:	NYOG70000000062

32
East **OIL_GAS** **NYOG70000000079**
1/2 - 1 Mile

Api wellno:	31061210620000	Cnty:	New York
Hole:	21062	Sidetrck:	0
Completion:	0		
Well nm:	Mulberry St. - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	31-DEC-03	Dt spud:	26-JAN-04
Dt comp:	10-FEB-04	Well typ:	Stratigraphic
Dtd:	0		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99553		
Yloc:	40.72327		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	Not Reported
Deepestfor:	Manhattan Schist	Elevation:	40
Dt mod:	24-APR-06	Site id:	NYOG70000000079

33
NNE **OIL_GAS** **NYOG70000000098**
1/2 - 1 Mile

Api wellno:	31061237490000	Cnty:	New York
Hole:	23749	Sidetrck:	0
Completion:	0		
Well nm:	Charles - 1		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	29-JAN-07	Dt spud:	27-JUL-97
Dt comp:	11-AUG-97	Well typ:	Stratigraphic
Dtd:	576		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Manhattan Schist

Xloc:	-74.00602		
Yloc:	40.73455		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	20-JUL-07	Site id:	NYOG70000000098

H34
ESE **OIL_GAS** **NYOG70000000064**
1/2 - 1 Mile

Api wellno:	31061236180000	Cnty:	New York
Hole:	23618	Sidetrck:	0
Completion:	0		
Well nm:	Elizabeth St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	21-MAR-05	Dt spud:	20-JUN-02
Dt comp:	26-JUL-02	Well typ:	Stratigraphic
Dtd:	600		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99512		
Yloc:	40.71996		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Manhattan Schist	Elevation:	0
Dt mod:	26-JUN-09	Site id:	NYOG70000000064

H35
ESE **OIL_GAS** **NYOG70000000063**
1/2 - 1 Mile

Api wellno:	31061236150000	Cnty:	New York
Hole:	23615	Sidetrck:	0
Completion:	0		
Well nm:	Broome - 2		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	21-MAR-05	Dt spud:	06-MAR-01
Dt comp:	05-APR-01	Well typ:	Stratigraphic
Dtd:	665		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Inwood Marble
Xloc:	-73.99471		
Yloc:	40.71973		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Manhattan Schist	Elevation:	39
Dt mod:	30-OCT-07	Site id:	NYOG70000000063

Map ID
Direction
Distance

Database EDR ID Number

I36
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000073**

Api wellno:	31061237280000	Cnty:	New York
Hole:	23728	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 1		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	20-AUG-07	Dt spud:	30-MAY-07
Dt comp:	14-JUN-07	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.99394		
Yloc:	40.72301		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	24-APR-08	Site id:	NYOG70000000073

I37
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000074**

Api wellno:	31061237280001	Cnty:	New York
Hole:	23728	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 1		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	07-MAY-08	Dt spud:	22-JUL-08
Dt comp:	15-OCT-08	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99394		
Yloc:	40.72301		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	23-JUL-08	Site id:	NYOG70000000074

I38
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000077**

Api wellno:	31061237300000	Cnty:	New York
Hole:	23730	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 3		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	20-AUG-07	Dt spud:	30-MAY-07
Dt comp:	14-JUN-07	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.9937		
Yloc:	40.7232		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	24-APR-08	Site id:	NYOG70000000077

I39
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000078**

Api wellno:	31061237300001	Cnty:	New York
Hole:	23730	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 3		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	07-MAY-08	Dt spud:	22-JUL-08
Dt comp:	15-OCT-08	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.9937		
Yloc:	40.7232		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	23-JUL-08	Site id:	NYOG70000000078

I40
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000071**

Api wellno:	31061237290000	Cnty:	New York
Hole:	23729	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 2		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	20-AUG-07	Dt spud:	30-MAY-07
Dt comp:	14-JUN-07	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential

Xloc:	-73.99365		
Yloc:	40.72294		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	24-APR-08	Site id:	NYOG70000000071

I41
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000072**

Api wellno:	31061237290001	Cnty:	New York
Hole:	23729	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 2		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	07-MAY-08	Dt spud:	22-JUL-08
Dt comp:	15-OCT-08	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99365		
Yloc:	40.72294		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	23-JUL-08	Site id:	NYOG70000000072

I42
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000075**

Api wellno:	31061237310000	Cnty:	New York
Hole:	23731	Sidetrck:	0
Completion:	0		
Well nm:	Geothermal 4		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	20-AUG-07	Dt spud:	30-MAY-07
Dt comp:	14-JUN-07	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-73.99363		
Yloc:	40.72308		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Confidential	Elevation:	42
Dt mod:	24-APR-08	Site id:	NYOG70000000075

Map ID
Direction
Distance

Database EDR ID Number

I43
East
1/2 - 1 Mile

OIL_GAS **NYOG70000000076**

Api wellno:	31061237310001	Cnty:	New York
Hole:	23731	Sidetrck:	0
Completion:	1		
Well nm:	Geothermal 4		
Coname:	250 Bowery Project, LLC		
Opno:	2350		
Dt approv:	07-MAY-08	Dt spud:	22-JUL-08
Dt comp:	15-OCT-08	Well typ:	Not Listed
Dtd:	0		
Wl status:	Cancelled	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99363		
Yloc:	40.72308		
Confid:	Not Reported		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Not Applicable	Elevation:	42
Dt mod:	23-JUL-08	Site id:	NYOG70000000076

44
ENE
1/2 - 1 Mile

OIL_GAS **NYOG70000000088**

Api wellno:	31061210900000	Cnty:	New York
Hole:	21090	Sidetrck:	0
Completion:	0		
Well nm:	Bond St - A		
Coname:	New York City Dept. of Environmental Protection		
Opno:	2127		
Dt approv:	29-JAN-07	Dt spud:	18-OCT-02
Dt comp:	13-NOV-02	Well typ:	Stratigraphic
Dtd:	604		
Wl status:	Plugged and Abandoned	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99312		
Yloc:	40.72623		
Confid:	Released		
Wellst:	Other Well Plugged		
Quad:	Not Reported	Quadsec:	Not Reported
Deepestfor:	Not Applicable	Elevation:	Not Reported
Dt mod:	24-JAN-07	Site id:	NYOG70000000088

45
ENE
1/2 - 1 Mile

OIL_GAS **NYOG70000000092**

Api wellno:	31061236050000	Cnty:	New York
Hole:	23605	Sidetrck:	0
Completion:	0		
Well nm:	Prince St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	28-JAN-05	Dt spud:	21-MAR-01
Dt comp:	10-APR-01	Well typ:	Stratigraphic
Dtd:	665		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99397		
Yloc:	40.72871		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	None Specified	Elevation:	0
Dt mod:	26-JUN-09	Site id:	NYOG70000000092

46
NNE **OIL_GAS** **NYOG70000000099**
1/2 - 1 Mile

Api wellno:	31061237870000	Cnty:	New York
Hole:	23787	Sidetrck:	0
Completion:	0		
Well nm:	1		
Coname:	Perry Street Associates, LLC		
Opno:	2459		
Dt approv:	21-JUL-08	Dt spud:	24-SEP-08
Dt comp:	19-NOV-08	Well typ:	Confidential
Dtd:	0		
Wl status:	Confidential	Town:	Manhattan
Field:	Confidential	Prodform:	Confidential
Xloc:	-74.00241		
Yloc:	40.73567		
Confid:	We have confidential information for 6 months.		
Wellst:	CON		
Quad:	Jersey City	Quadsec:	C
Deepestfor:	Confidential	Elevation:	15
Dt mod:	26-JAN-10	Site id:	NYOG70000000099

47
SE **OIL_GAS** **NYOG70000000044**
1/2 - 1 Mile

Api wellno:	31061236200000	Cnty:	New York
Hole:	23620	Sidetrck:	0
Completion:	0		
Well nm:	St. James - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	21-MAR-05	Dt spud:	13-APR-01
Dt comp:	05-JUL-02	Well typ:	Stratigraphic
Dtd:	652		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable

Xloc:	-73.99829		
Yloc:	40.71307		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Manhattan Schist	Elevation:	0
Dt mod:	26-JUN-09	Site id:	NYOG70000000044

48
SE
1/2 - 1 Mile

OIL_GAS **NYOG70000000047**

Api wellno:	31061236170000	Cnty:	New York
Hole:	23617	Sidetrck:	0
Completion:	0		
Well nm:	Division St. - A		
Coname:	U.S. Geological Survey		
Opno:	2370		
Dt approv:	21-MAR-05	Dt spud:	27-AUG-02
Dt comp:	26-JUL-02	Well typ:	Stratigraphic
Dtd:	604		
Wl status:	Active	Town:	Manhattan
Field:	Not Applicable	Prodform:	Not Applicable
Xloc:	-73.99615		
Yloc:	40.7141		
Confid:	Released		
Wellst:	Other Well		
Quad:	Brooklyn	Quadsec:	A
Deepestfor:	Manhattan Schist	Elevation:	0
Dt mod:	26-JUN-09	Site id:	NYOG70000000047

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
NEW YORK	NYC (BRONX)	91	1.59	0.85	16
NEW YORK	NYC (KINGS)	416	1.93	1.19	28.2
NEW YORK	NYC (NEW YORK)	108	2.15	0.98	49.5
NEW YORK	NYC (QUEENS)	501	1.24	0.77	23.8
NEW YORK	NYC (RICHMOND)	225	1.44	0.76	14.1

Federal EPA Radon Zone for NEW YORK County: 3

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

Federal Area Radon Information for NEW YORK COUNTY, NY

Number of sites tested: 31

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.690 pCi/L	90%	10%	0%
Basement	1.490 pCi/L	81%	19%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

OTHER STATE DATABASE INFORMATION

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

of the City and Island of NEW YORK

Prepared for the Council of Hygiene and Public Health

of the CITIZENS ASSOCIATION.

under the direction of Topographical Engineer.

EGBERT L. VIELE,

SCALE 1000 FEET TO 1 INCH.

HUDSON RIVER

EAST RIVER

QUEEN

Marsh

Made Land

Meadow

Sewers

440 - 432 Washington Street
440 Washington Street
New York, NY 10013

Inquiry Number: 4275967.3
April 27, 2015

6 Armstrong Road, 4th Floor
Shelton, Connecticut 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

4/27/15

Site Name:
440 - 432 Washington Street
440 Washington Street
New York, NY 10013

Client Name:
Langan Engineering, Inc.
360 W. 31st Street
New York, NY 10001

EDR Inquiry # 4275967.3

Contact: Renate Crollini

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Langan Engineering, Inc. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Site Name: 440 - 432 Washington Street
Address: 440 Washington Street
City, State, Zip: New York, NY 10013
Cross Street:
P.O. # 170361501
Project: 440 Washington Street
Certification # F8E4-407B-9D1C

Sanborn® Library search results
Certification # F8E4-407B-9D1C

Maps Provided:

2005	1995	1988	1979	1928
2004	1994	1987	1978	1919
2003	1993	1985	1977	1913
2002	1992	1983	1976	1905
2001	1991	1981	1968	1894
1996	1990	1980	1950	

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

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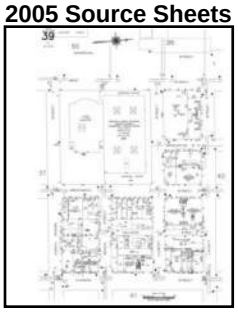
Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

2005 Source Sheets



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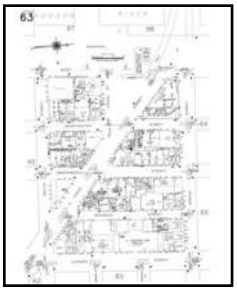

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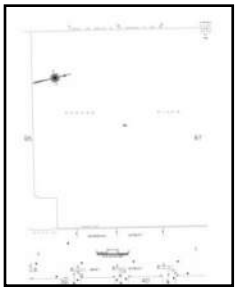

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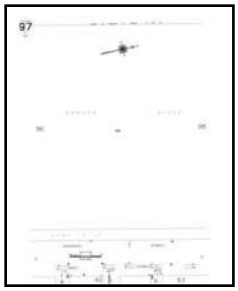

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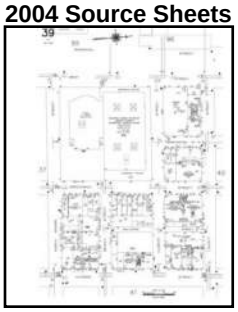

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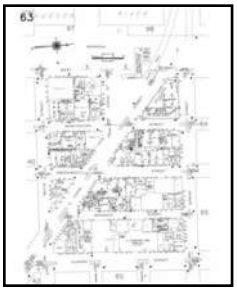

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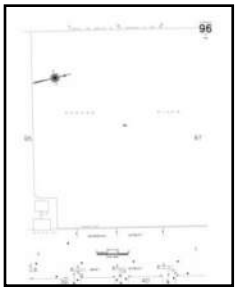

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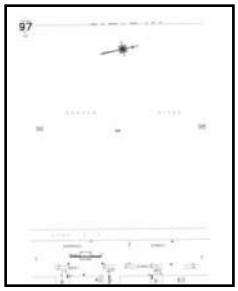

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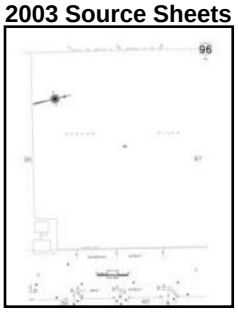

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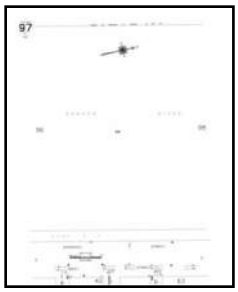

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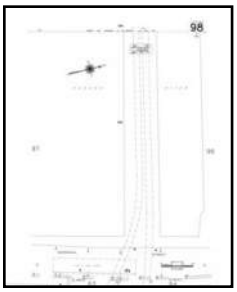

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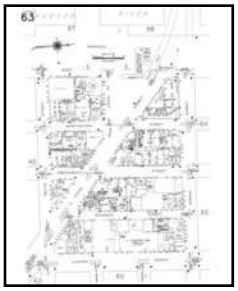

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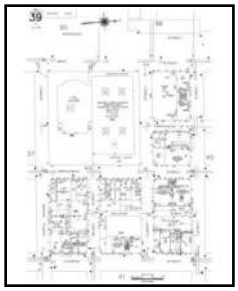

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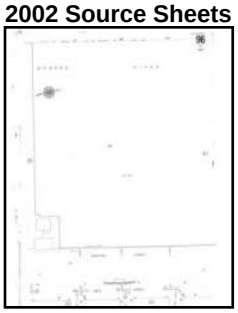

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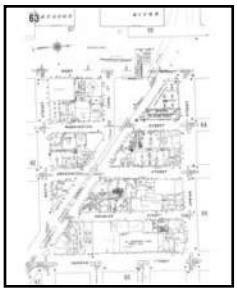

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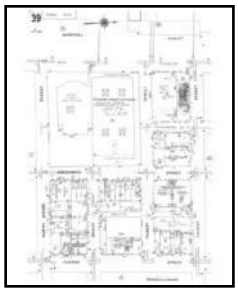

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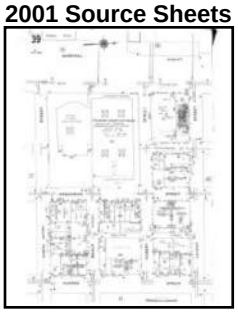

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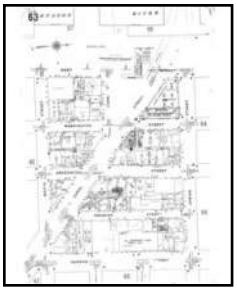

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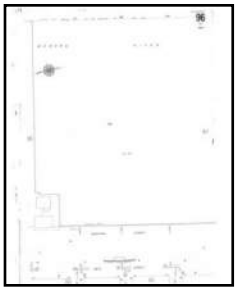

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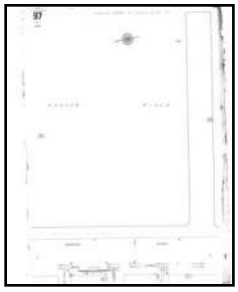

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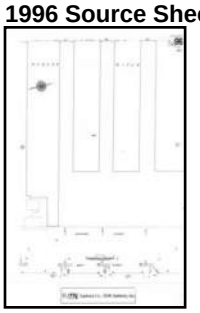

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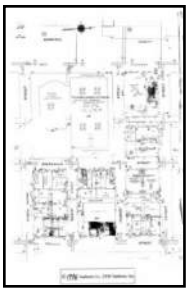

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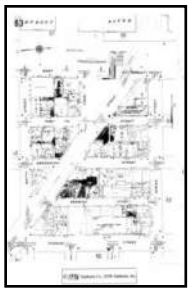

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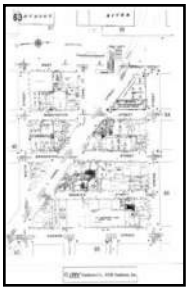

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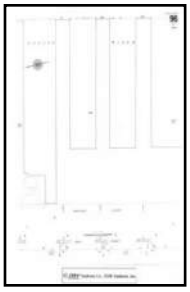

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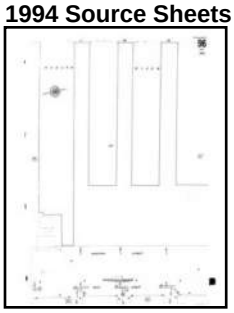

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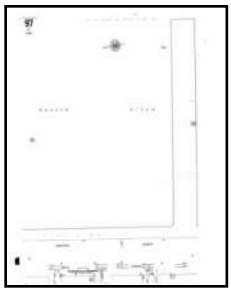

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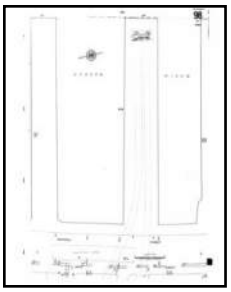

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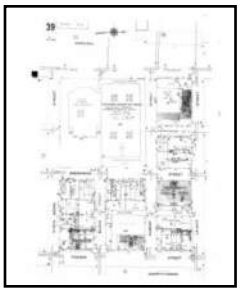

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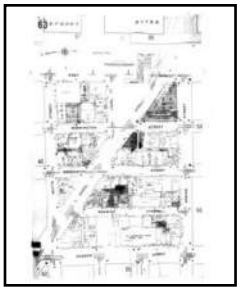

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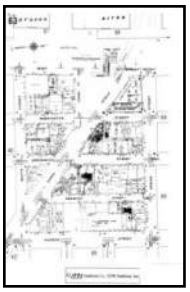

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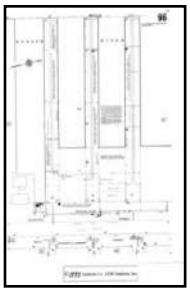

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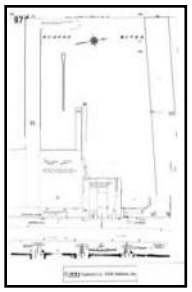

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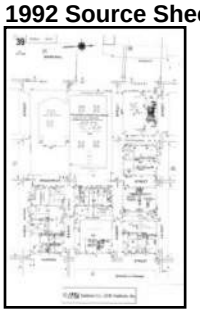

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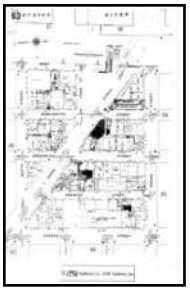

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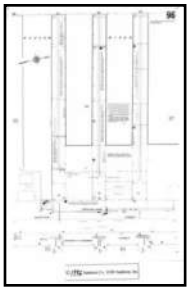

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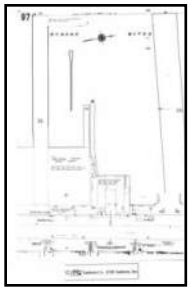

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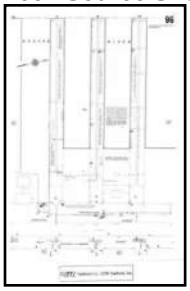

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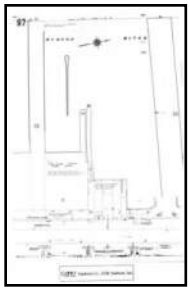

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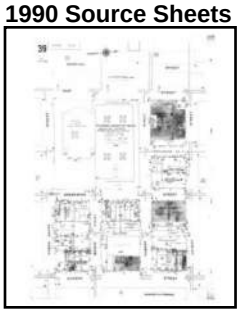

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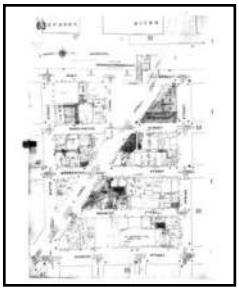

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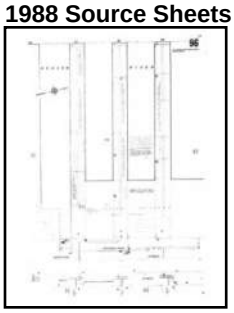

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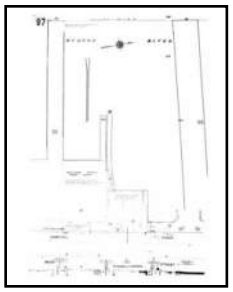

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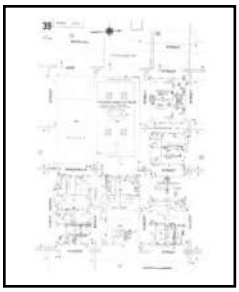

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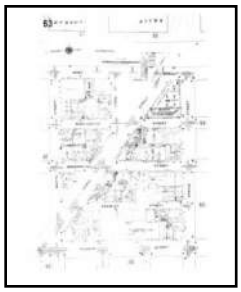

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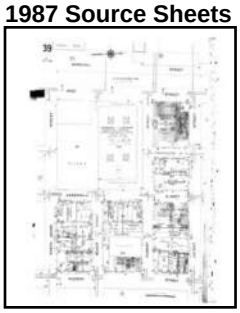

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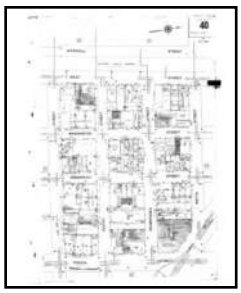

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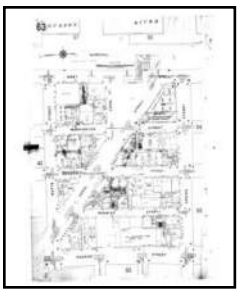

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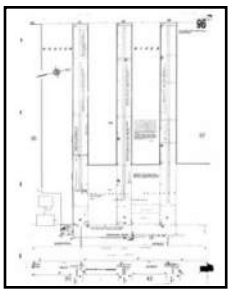

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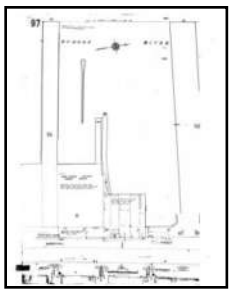

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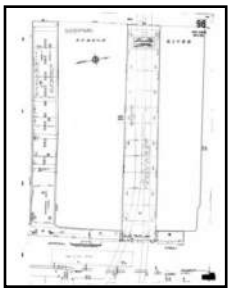

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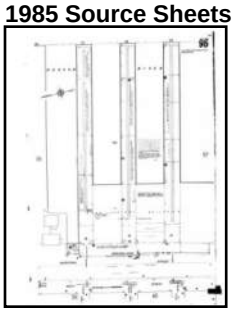

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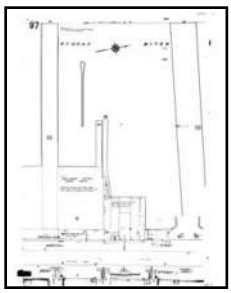

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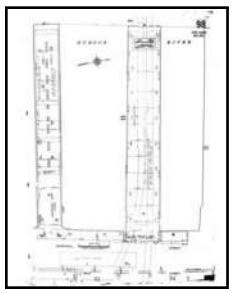

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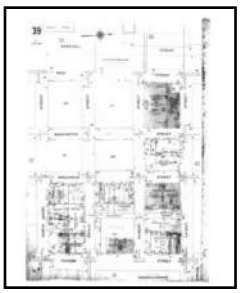

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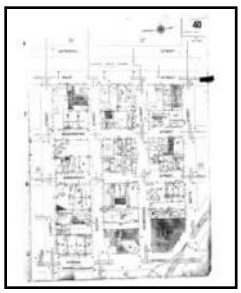

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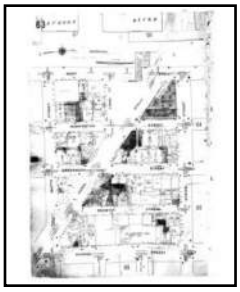


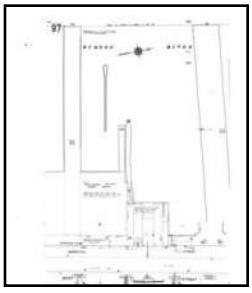
Volume 1N, Sheet 63

1983 Source Sheets

Volume 1N, Sheet 63

Volume 1N, Sheet 39

Volume 1N, Sheet 40



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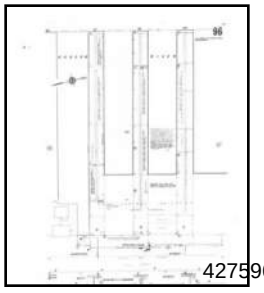

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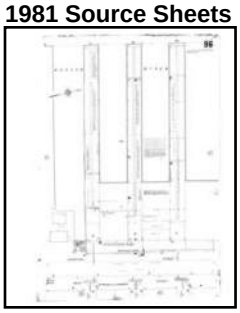

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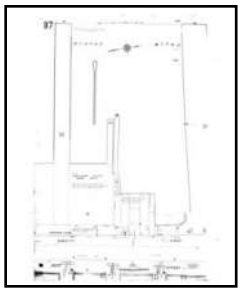

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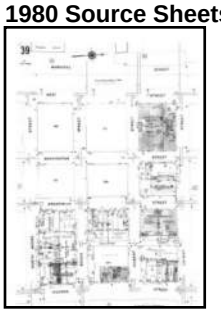
1980 Source Sheets



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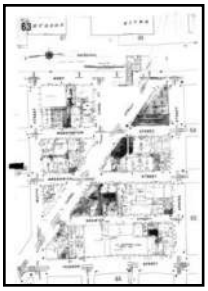

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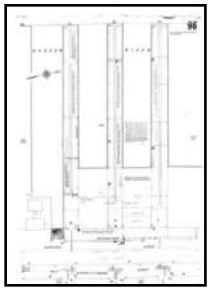
Volume 1S, Sheet xxxx



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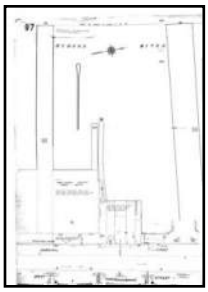

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Volume 3, Sheet xxxx

1979 Source Sheets

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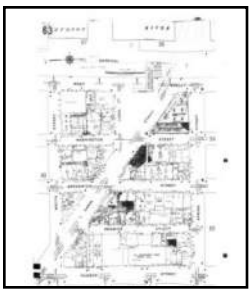
Volume 1N, Sheet 40



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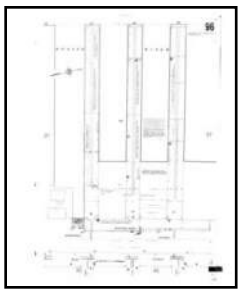
Volume 1N, Sheet 63



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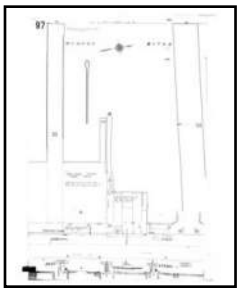

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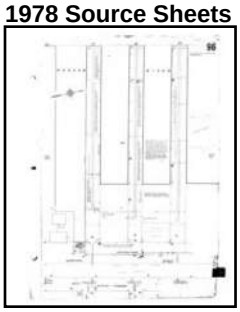

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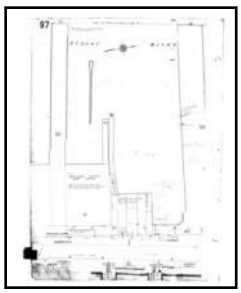

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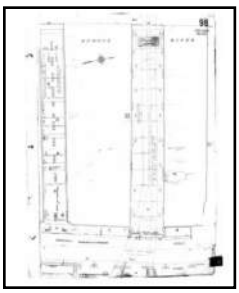

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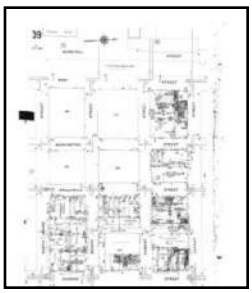

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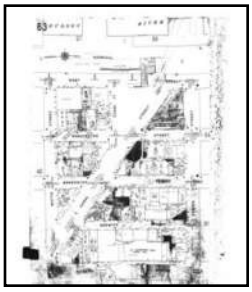

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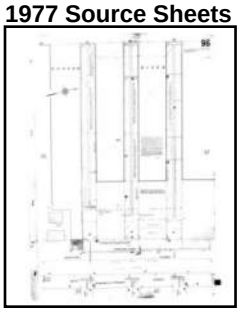

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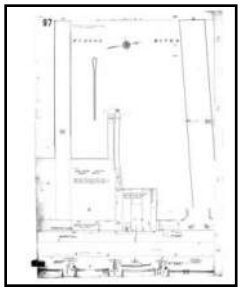

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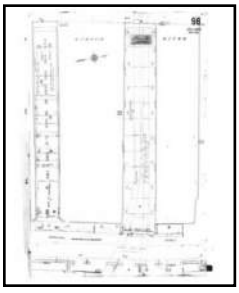

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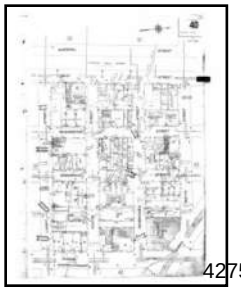

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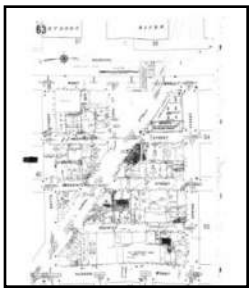

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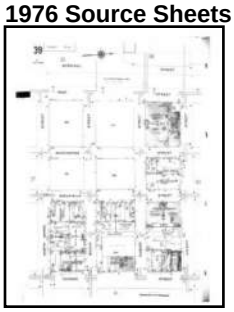

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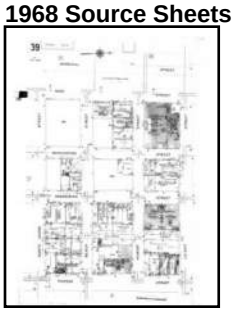
1968 Source Sheets



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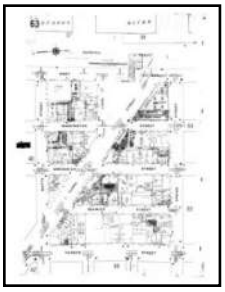

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1950 Source Sheets

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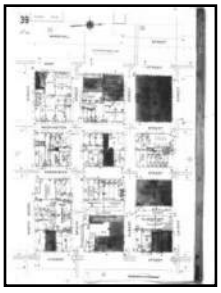
Volume 2, Sheet xxxx



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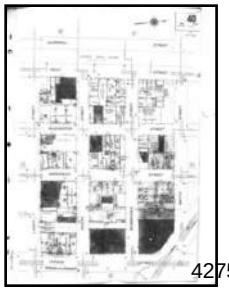

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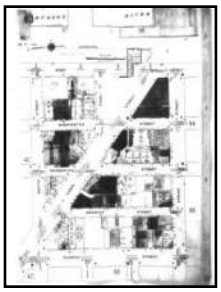

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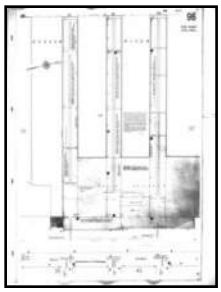

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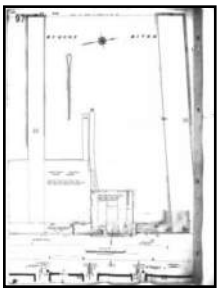

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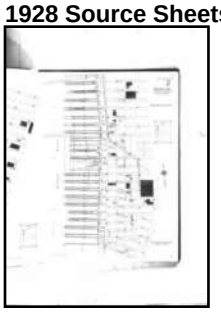

Volume Pier Maps, Sheet 2

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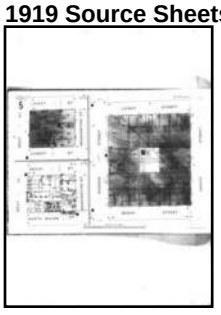

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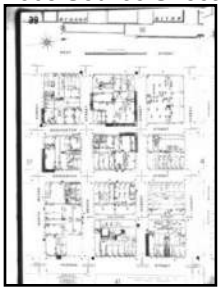
Volume Atlas Maps, Sheet 9

1913 Source Sheets

Volume Atlas Maps, Sheet 03

1905 Source Sheets



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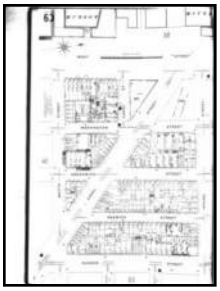

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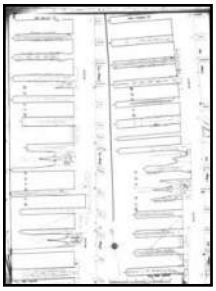
1894 Source Sheets

Volume 1N, Sheet 17

Volume 1N, Sheet 18



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2005 Certified Sanborn Map

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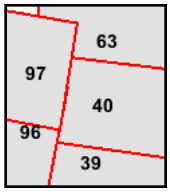

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0 Feet 150 300 600

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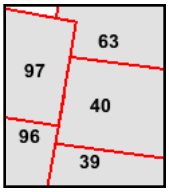

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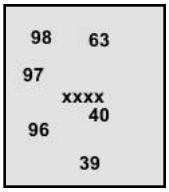

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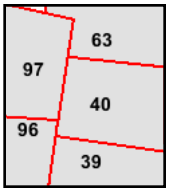

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2001 Certified Sanborn Map

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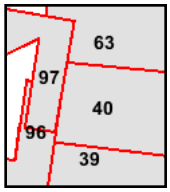

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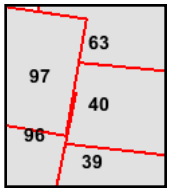

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0 Feet 150 300 600

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1995 Certified Sanborn Map

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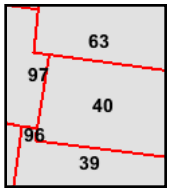

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1994 Certified Sanborn Map

Certification # F8E4-407B-9D1C

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Copyright:	1994

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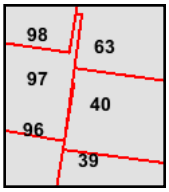

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Address:	440 Washington Street
City, ST, ZIP:	New York NY 10013
Client:	Langan Engineering, Inc.
EDR Inquiry:	4275967.3
Order Date:	4/27/2015 2:07:02 PM
Certification #	F8E4-407B-9D1C
Copyright:	1993

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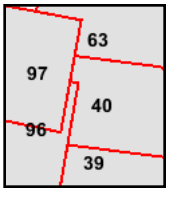

Volume 1N, Sheet 39
Volume 1N, Sheet 40
Volume 1N, Sheet 63
Volume 1S, Sheet 96
Volume 1S, Sheet 97

0 Feet 150 300 600

N

1992 Certified Sanborn Map

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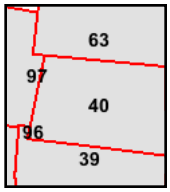

Volume 1N, Sheet 39
Volume 1N, Sheet 40
Volume 1N, Sheet 63
Volume 1S, Sheet 96
Volume 1S, Sheet 97

0 Feet 150 300 600

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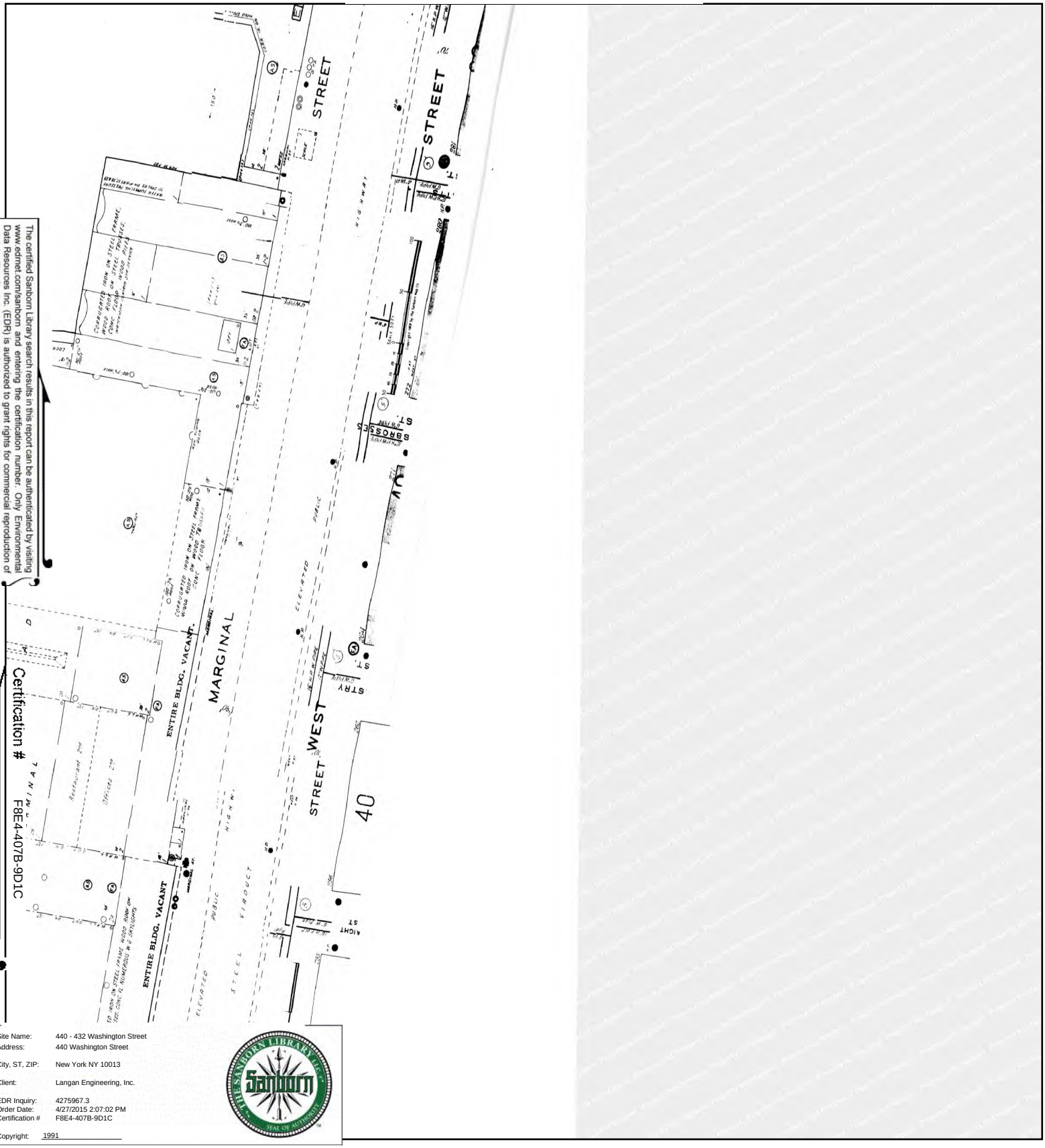
1991 Certified Sanborn Map



Certification # F8E4-407B-9D1C

Site Name: 440 - 432 Washington Street
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City, ST, ZIP: New York NY 10013
Client: Langan Engineering, Inc.
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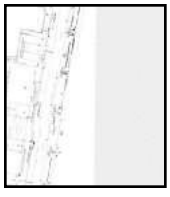

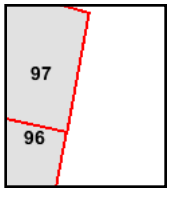

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1990 Certified Sanborn Map

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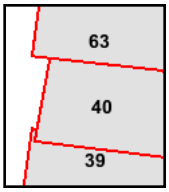

Volume 1N, Sheet 39
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Volume 1N, Sheet 63

0 Feet 150 300 600

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1988 Certified Sanborn Map

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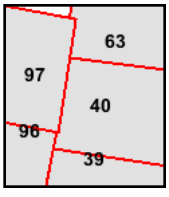

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Volume 1N, Sheet 39
Volume 1N, Sheet 40
Volume 1N, Sheet 63

0 Feet 150 300 600

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1987 Certified Sanborn Map

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Certification #	F8E4-407B-9D1C
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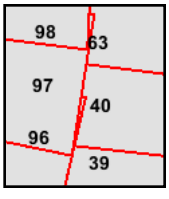

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Volume 1N, Sheet 40
Volume 1N, Sheet 63
Volume 1S, Sheet 96
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Volume 1S, Sheet 98

N

1985 Certified Sanborn Map

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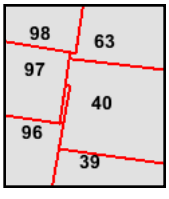

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Volume 1S, Sheet 98
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Volume 1N, Sheet 63

1983 Certified Sanborn Map

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Certification #	F8E4-407B-9D1C
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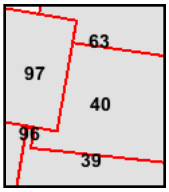

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Volume 1N, Sheet 96

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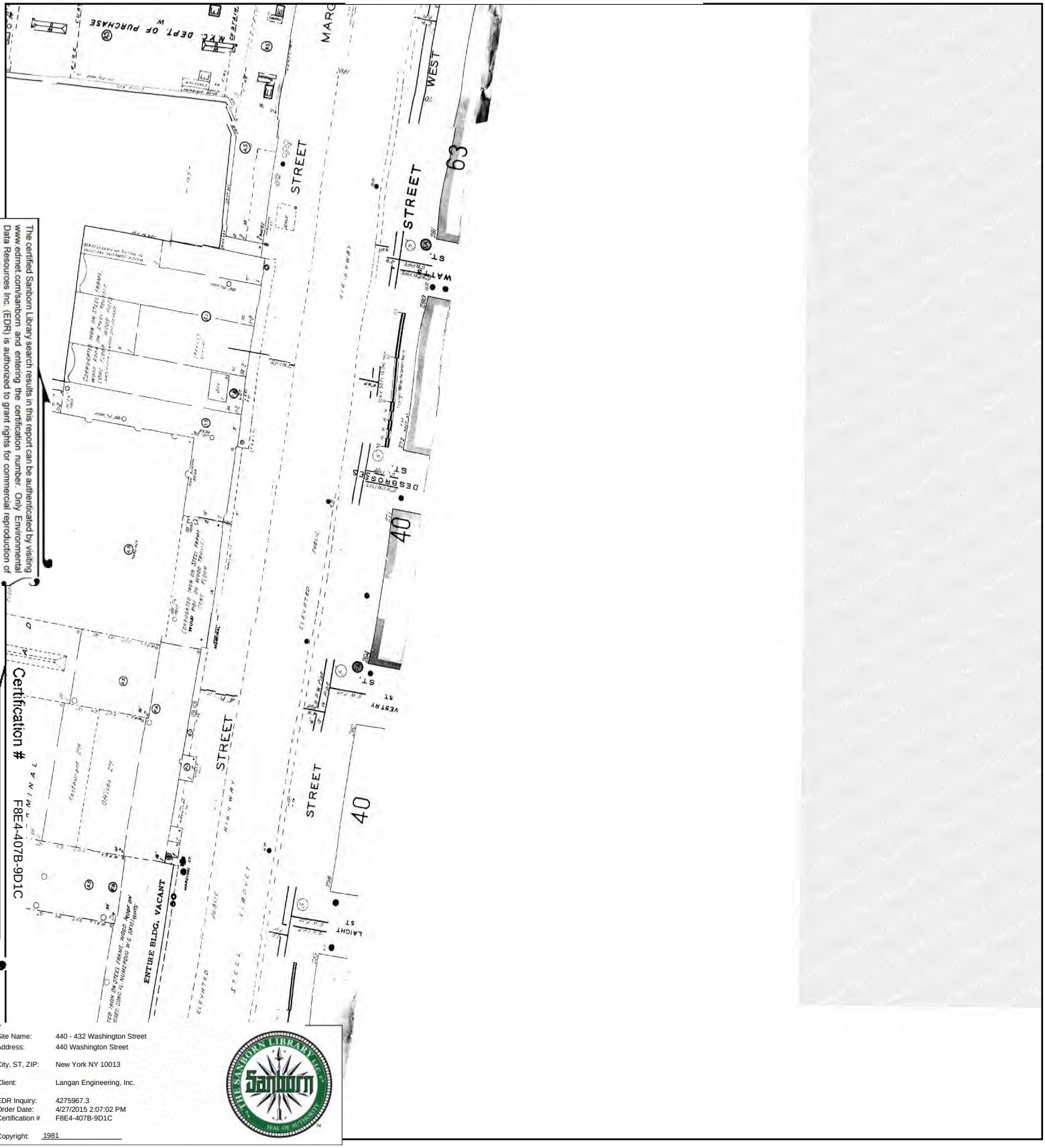
1981 Certified Sanborn Map



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Site Name: 440 - 432 Washington Street
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City, ST, ZIP: New York NY 10013
Client: Langan Engineering, Inc.
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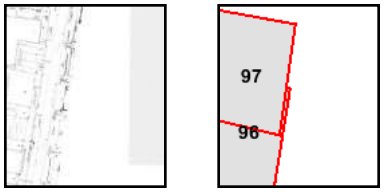

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N

1980 Certified Sanborn Map

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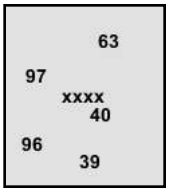

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Volume 1N, Sheet 63
Volume 1S, Sheet xxxx
Volume 1S, Sheet 96
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Volume 2, Sheet xxxx
Volume 3, Sheet xxxx

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1979 Certified Sanborn Map

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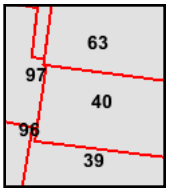

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Volume 1N, Sheet 63
Volume 1N, Sheet 63
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Volume 1S, Sheet 97

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1978 Certified Sanborn Map

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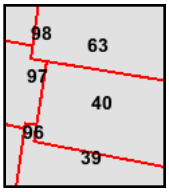

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Volume 1N, Sheet 63

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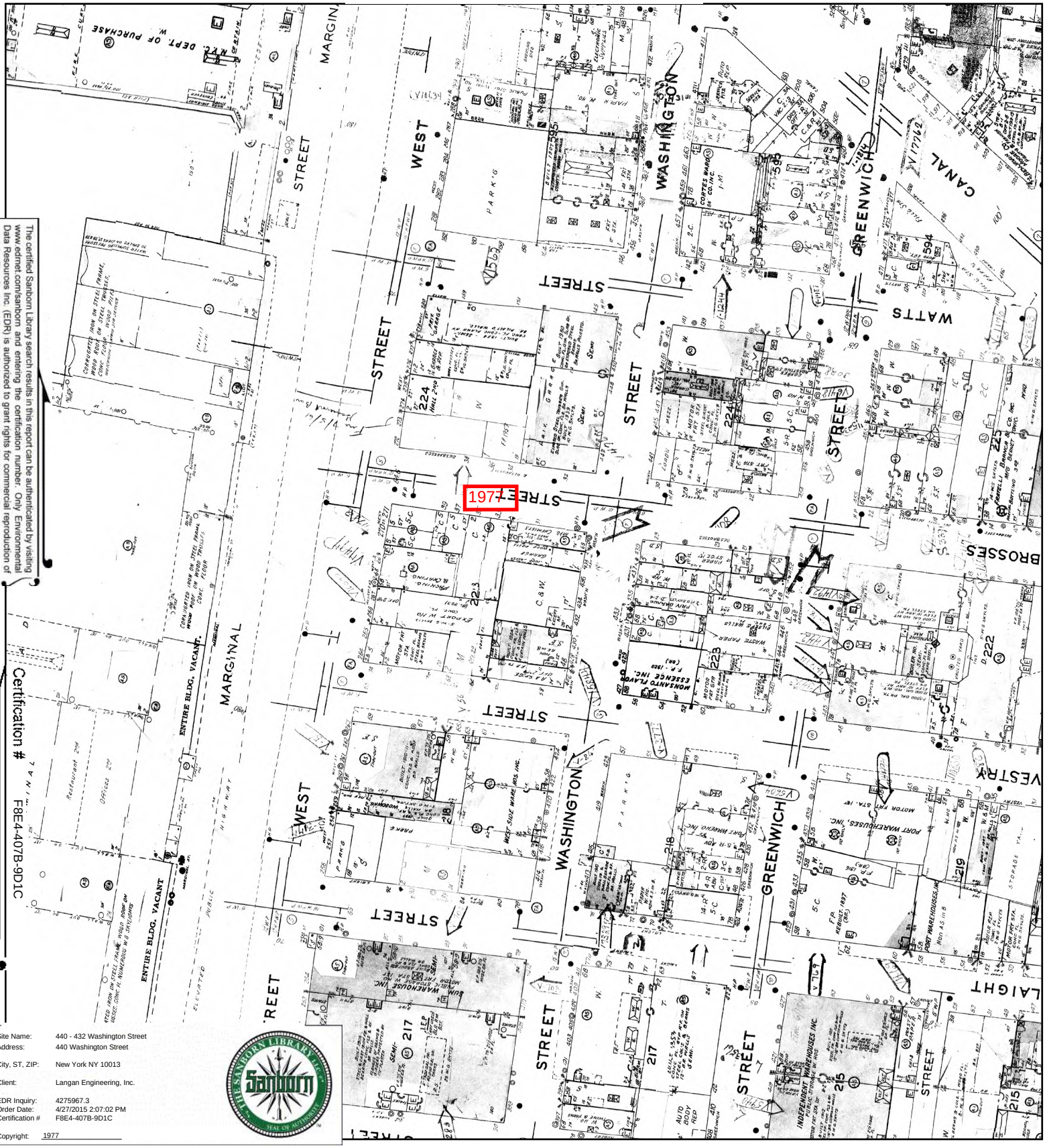
1977 Certified Sanborn Map



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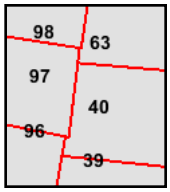

Volume 1S, Sheet 96
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Volume 1S, Sheet 98
Volume 1N, Sheet 39
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Volume 1N, Sheet 63

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1976 Certified Sanborn Map

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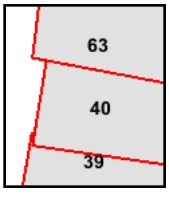

Volume 1N, Sheet 39
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Volume 1N, Sheet 63

N

1968 Certified Sanborn Map

Certification # F8E4-407B-9D1C

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Certification # F8E4-407B-9D1C
Copyright: 1968

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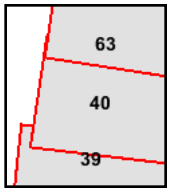

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1950 Certified Sanborn Map

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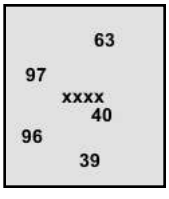

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Volume 1S, Sheet xxxx
Volume 2, Sheet xxxx
Volume 1N, Sheet 39
Volume 1N, Sheet 40
Volume 1N, Sheet 63
Volume 1S, Sheet 96
Volume 1S, Sheet 97

N

1928 Certified Sanborn Map

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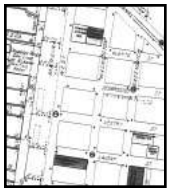

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Volume Pier Maps, Sheet 2

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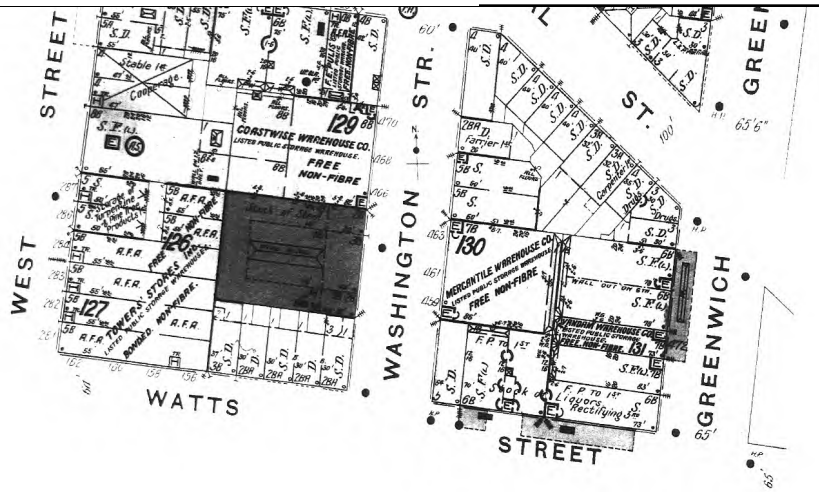
1919 Certified Sanborn Map



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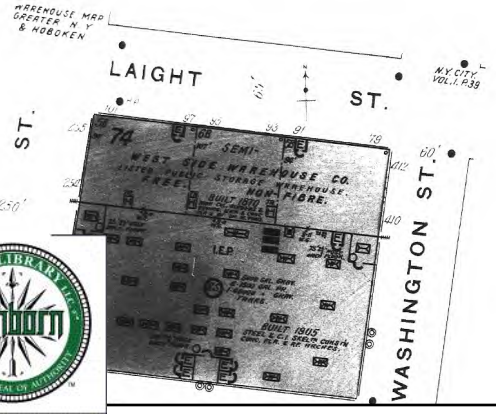

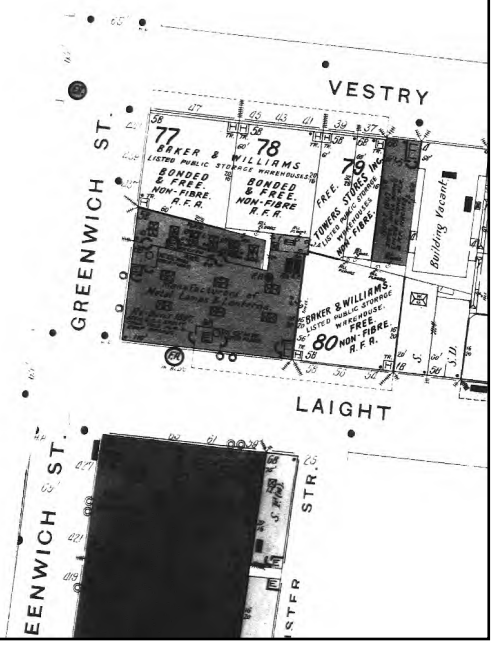

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Site Name: 440 - 432 Washington Street
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Client: Langan Engineering, Inc.
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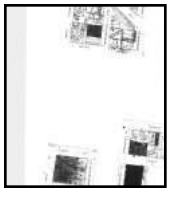

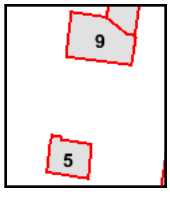

Volume Atlas Maps, Sheet 5
Volume Atlas Maps, Sheet 9

1913 Certified Sanborn Map

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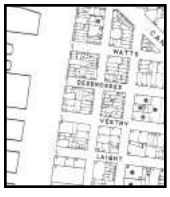

03

Volume Atlas Maps, Sheet 03

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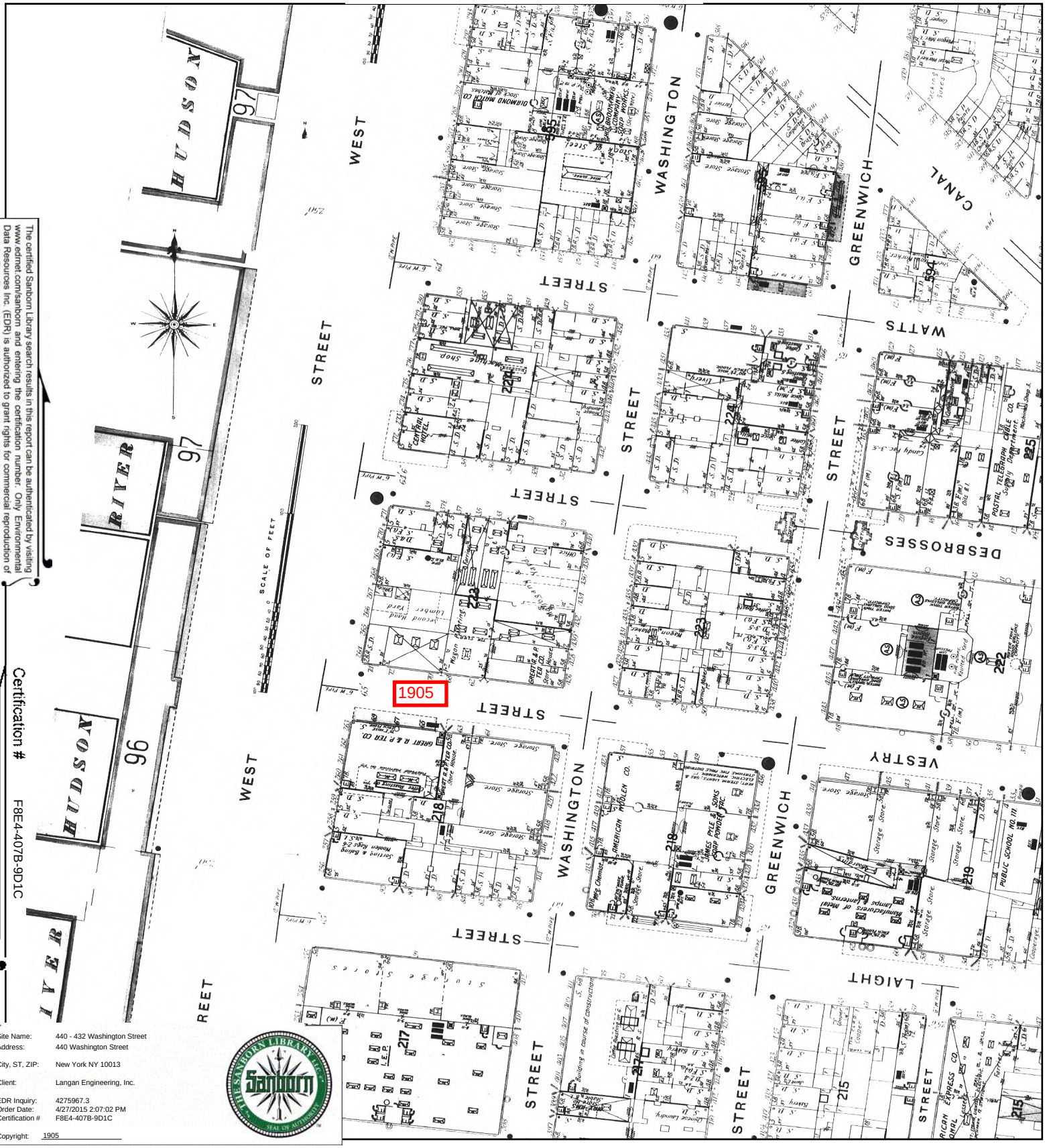
1905 Certified Sanborn Map



Certification # F8E4-407B-9D1C

Site Name:	440 - 432 Washington Street
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EDR Inquiry:	4275967.3
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Copyright:	1905

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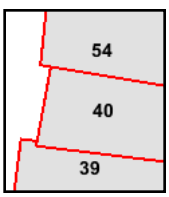

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Volume 1N, Sheet 54

0 Feet 150 300 600

1894 Certified Sanborn Map

Certification # F8E4-407B-9D1C

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City, ST, ZIP:	New York NY 10013
Client:	Langan Engineering, Inc.
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Copyright:	1894

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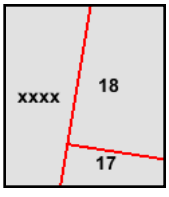

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Volume 1N, Sheet 18
Volume 1N, Sheet xxxx

N

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NYC Department of Buildings

Property Profile Overview

31 DESBROSSES STREET **MANHATTAN 10013** **BIN# 1002898**

DESBROSSES STREET	31 - 31	**Health Area**	: 7700	**Tax Block**	: 223
WASHINGTON STREET	438 - 440	**Census Tract**	: 39	**Tax Lot**	: 13
		Community Board	: 101	**Condo**	: NO
		Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

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

Cross Street(s):	WASHINGTON STREET, WEST 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		
Environmental Restrictions:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: TMU - TRIBECA MIXED USE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	No	
Freshwater Wetlands Map Check:	No	Click here for more information
Coastal Erosion Hazard Area Map Check:	No	
Special Flood Hazard Area Check:	Yes	

Department of Finance Building Classification: S9-RESIDENCE-MULTI-U

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	7	0
Violations-DOB	27	5
Violations-ECB (DOB)	5	2
Jobs/Filings	12	
ARA / LAA Jobs	1	
Total Jobs	13	
Actions	25	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

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

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.

Search Results By Parcel Identifier

Current Search Criteria:

Borough: MANHATTAN / NEW YORK
Block: 223
Lot: 13 **Unit:** N/A
Date Range: To Current Date
Document Class: DEEDS AND OTHER CONVEYANCES

Records 1 - 6 << previous next >> Max Rows 10 [Search Options] [New BBL Search] [Edit Current Search] [View Tax Map] [**Print Index**]

View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
DET IMG		2013000513662	13	ENTIRE LOT	11/27/2013	12/13/2013 2:57:05 PM	DEED	12	PONTE EQUITIES, INC.	270 WEST STREET, LLC				0
DET IMG	1759/45		13	ENTIRE LOT	12/3/1990	1/28/1991	DEED	2	V. PONTE & SONS INC	PONTE EQUITIES INC				0
DET IMG	484/1320		13	ENTIRE LOT		6/15/1979	DEED	2	ESSENFELD, EDWIN	423 WEST STREET CORP		✓		0
DET IMG	484/1317		13	ENTIRE LOT		6/15/1979	DEED	3	FREIGHT TRAILER RENTALS	ESSENFIELD, EDWIN		✓		0
DET IMG	130/228		13	ENTIRE LOT		2/4/1969	DEED	4	VESEY ASSOC INC	LEVINE, AARN				0
DET IMG	40162/368		13	ENTIRE LOT		3/21/1967	DEED	4	CHESEBROUGH-PONDS INC	FREIGHT TRAILER RENTALS				0

Search Options | New Parcel Identifier Search | Edit Current Search | View Tax Map

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

432 WASHINGTON STREET **MANHATTAN 10013** **BIN# 1002899**

WASHINGTON STREET 432 - 436

Health Area	: 7700	**Tax Block**	: 223
Census Tract	: 39	**Tax Lot**	: 15
Community Board	: 101	**Condo**	: NO
Buildings on Lot	: 1	**Vacant**	: NO

View DCP Addresses... Browse Block

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

Cross Street(s):	VESTRY STREET, DESBROSSES 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		
Environmental Restrictions:	HAZMAT/NOISE	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		

Special District: TMU - TRIBECA MIXED USE

This property is located in an area that may be affected by the following:

Tidal Wetlands Map Check:	No
Freshwater Wetlands Map Check:	No
Coastal Erosion Hazard Area Map Check:	No
Special Flood Hazard Area Check:	Yes

Click here for more information

Department of Finance Building Classification: G1-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	2	0
Violations-DOB	2	0
Violations-ECB (DOB)	0	0
Jobs/Filings	4	
ARA / LAA Jobs	0	
Total Jobs	4	
Actions	18	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

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

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.

Search Results By Parcel Identifier

Current Search Criteria:

Borough: MANHATTAN / NEW YORK
Block: 223
Lot: 15 **Unit:** N/A
Date Range: To Current Date
Document Class: DEEDS AND OTHER CONVEYANCES

Records 1 - 3 << previous next >> Max Rows 10 [Search Options] [New BBL Search] [Edit Current Search] [View Tax Map] [**Print Index**]

View	Reel/Pg/File	CRFN	Lot	Partial	Doc Date	Recorded / Filed	Document Type	Pages	Party1	Party2	Party 3/ Other	More Party 1/2 Names	Corrected/ Remarks	Doc Amount
DET IMG		2013000513662	15	ENTIRE LOT	11/27/2013	12/13/2013 2:57:05 PM	DEED	12	PONTE EQUITIES, INC.	270 WEST STREET, LLC				0
DET IMG	1759/58		15	ENTIRE LOT	12/3/1990	1/28/1991	DEED	2	V PONTE & SONS INC	PONTE EQUITIES INC				0
DET IMG	337/1921		15	ENTIRE LOT		3/19/1975	DEED	2	MORRIS B BAER INC EST	V PONTE & SONS INC				0

Search Options | New Parcel Identifier Search | Edit Current Search | View Tax Map

NYC BUILDINGS

Certificate of Occupancy

CO Number: 100497026F

This certifies that the premises described herein conforms substantially to the approved plans and specifications and to the requirements of all applicable laws, rules and regulations for the uses and occupancies specified. No change of use or occupancy shall be made unless a new Certificate of Occupancy is issued. *This document or a copy shall be available for inspection at the building at all reasonable times.*

A.

Borough:	Manhattan	**Block Number:**	00223	**Certificate Type:**	Final
Address:	31 DESBROSSES STREET	**Lot Number(s):**	13	**Effective Date:**	04/26/2006
Building Identification Number (BIN):	1002898				
Special District:	LMM - LOWER MANHATTAN MIXED USE	**Building Type:**	Altered		

This Certificate supersedes CO Number(s): None

For zoning lot metes & bounds, please see BISWeb.

B.

Construction classification:	OLD CODE: 3	**Number of stories:**	6
Building Occupancy Group classification:	COM	**Height in feet:**	75
Multiple Dwelling Law Classification:	None	**Number of dwelling units:**	5

C. **Fire Protection Equipment:**
Sprinkler system

D. **Type and number of open spaces:**
None associated with this filing.

E. **This Certificate is issued with the following legal limitations:**
None

Borough Comments: None

Borough Commissioner

Commissioner

B Form 54 (Revised 03/05)

DOCUMENT CONTINUES ON NEXT PAGE

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ab

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date April 8, 1965 No. 61266

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

THIS CERTIFIES that the ~~new~~—altered—~~existing~~—building—premises located at

498 Washington Street Block 223 Lot 14

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the west side of Washington Street

distant 21'-9" feet south from the corner formed by the intersection of

Washington Street and Dabrosses Street

running thence west 82 feet; thence south 21.9 feet;

thence east 82 feet; thence north 21.9 feet;

running thence ..... feet; thence ..... feet;

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646f of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent.

~~New~~ or Alt. No. 575-1964 Construction classification Class 3, Nonfireproof

Occupancy classification— Commercial Building . Height 1 stories, 17'-0" feet.

Date of completion— March 25, 1965 . Located in M 2-4 Zoning District.

at time of issuance of permit. 1191-1965

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals: and The City Planning Commission: (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces .....

Off-Street Loading Berths .....

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
1st story	On ground	4	Storage.

Sec. 6.1.2.3 sub-4 Building Code, C26 7340 Admin. Code

"Prior to the occupancy of [illegible] after January 1, 1938, the [illegible] stated in the [illegible] gloss and maintained in the [illegible] shall be posted under structures."

Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

Form 54-C (Rev. 4/62)-30M-601036(62) 114

ac

DEPARTMENT OF BUILDINGS

BOROUGH OF MANHATTAN, THE CITY OF NEW YORK

Date January 10, 1969 No. 66949

CERTIFICATE OF OCCUPANCY

NO CHANGES OF USE OR OCCUPANCY NOT CONSISTENT WITH THIS CERTIFICATE SHALL BE MADE UNLESS FIRST APPROVED BY THE BOROUGH SUPERINTENDENT

This certificate supersedes C. O. No.

THIS CERTIFIES that the ~~new~~—altered—~~existing~~—building—premises located at 432-438 Washington Street Block 223 Lot 15

That the zoning lot and premises above referred to are situated, bounded and described as follows:

BEGINNING at a point on the side of distant feet from the corner formed by the intersection of and

running thence as per Diagram "A" feet; thence feet:

thence of Alt. 918-1968 feet; thence feet:

running thence feet; thence feet:

to the point or place of beginning, conforms substantially to the approved plans and specifications, and to the requirements of the Building Code, the Zoning Resolution and all other laws and ordinances, and of the rules of the Board of Standards and Appeals, applicable to a building of its class and kind at the time the permit was issued; and

CERTIFIES FURTHER that, any provisions of Section 646F of the New York Charter have been complied with as certified by a report of the Fire Commissioner to the Borough Superintendent. Class 3

~~New~~ or Alt. No.— 918-1968 Construction classification— Nonfireproof

Occupancy classification—Commercial Building. Height 1 & 2 stories, 16 & 25 feet.

Date of completion— January 6, 1969 . Located in M 2-4 Zoning District.

at time of issuance of permit. 5645-1963; 3904-1968

This certificate is issued subject to the limitations hereinafter specified and to the following resolutions of the Board of Standards and Appeals:
and The City Planning Commission: } (Calendar numbers to be inserted here)

PERMISSIBLE USE AND OCCUPANCY

Off-Street Parking Spaces

Off-Street Loading Berths

STORY	LIVE LOADS Lbs. per Sq. Ft.	PERSONS ACCOMMODATED	USE
Cel.	On Ground		Boiler room.
1st	On Ground & 250	5	Storage of commercial motor vehicles with accessory motor fuel pumps and truck terminal, Use group 16.
Mezz	50	3	Offices, Use group 6.
2nd	50	5	Offices, Use group 6.
	NOTE:	Performance standards applicable in an M 2 District to be fully complied with.	
			FIRE DEPARTMENT APPROVAL: Gasoline Tank Installation- November 15, 1968.

Borough Superintendent

OFFICE COPY—DEPARTMENT OF BUILDINGS

440 - 432 Washington Street
440 Washington Street
New York, NY 10013

Inquiry Number: 4275967.5
April 27, 2015

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2013	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2008	Cole Information Services	-	X	X	-
2006	Hill-Donnelly Information Services	-	X	X	-
	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	-	X	X	-
1998	NYNEX Telephone	-	X	X	-
1996	NYNEX	-	-	-	-
1993	NYNEX Telephone	-	X	X	-
1988	NYNEX Telephone	-	X	X	-
1983	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1978	New York Telephone	-	X	X	-
	New York Telephone	X	X	X	-
1973	New York Telephone	-	X	X	-
1968	New York Telephone	-	-	-	-
1963	New York Telephone	-	-	-	-
1958	New York Telephone	-	-	-	-
1956	New York Telephone	-	X	X	-
1950	New York Telephone	-	X	X	-
1947	New York Telephone	-	-	-	-
1942	New York Telephone	-	-	-	-
1938	New York Telephone	-	-	-	-
1934	R. L. Polk & Co.	-	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	-	X	X	-
1927	New York Telephone	X	X	X	-
1923	R. L. Polk & Co.	-	X	X	-
1920	R. L. Polk & Co.	-	X	X	-

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
432 Washington Street	Client Entered	X
434 Washington Street	Client Entered	
436 Washington Street	Client Entered	
438 Washington Street	Client Entered	
33 Desbrosses Street	Client Entered	X
450 Washington Street	Client Entered	
445 Washington Street	Client Entered	X
439 Washington Street	Client Entered	X
437 Washington Street	Client Entered	X
435 Washington Street	Client Entered	X
433 Washington Street	Client Entered	X
431 Washington Street	Client Entered	X
428 Washington Street	Client Entered	
266 West Street	Client Entered	X

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

440 Washington Street
New York, NY 10013

FINDINGS DETAIL

Target Property research detail.

WASHINGTON

438 WASHINGTON

Year	Uses	Source
1983	ARGER PETER	New York Telephone
1978	ARGER PETER	New York Telephone
1927	Mc Gowan John truckman	New York Telephone
	Superior Dowel Co	New York Telephone

440 WASHINGTON

Year	Uses	Source
1927	Kade Max	New York Telephone
	Loes Franz E	New York Telephone
	Seeck & Kade Inc drgs	New York Telephone

WASHINGTON AVE

438 WASHINGTON AVE

Year	Uses	Source
1927	Sleeper Radio & Mfg Corp	New York Telephone

WASHINGTON ST

432 WASHINGTON ST

Year	Uses	Source
2013	WESTSIDE PARKING CORPORATION	Cole Information Services

Washington Street

432 Washington Street

Year	Uses	Source
2006	Na L	Hill-Donnelly Information Services

FINDINGS

434 Washington Street

Year	*Uses*	*Source*

436 Washington Street

Year	*Uses*	*Source*

438 Washington Street

Year	*Uses*	*Source*

WASHINGTON TER

438 WASHINGTON TER

Year	*Uses*	*Source*
1983	Arger Peter	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DESBROSSES

27 DESBROSSES

Year	Uses	Source
1988	BARBARA JOAQUIM	NYNEX Telephone
	BROWN HEATHER	NYNEX Telephone
	CAMILLERI S	NYNEX Telephone
	ORTEGA LOUIS AND ELLEN	NYNEX Telephone
	QUINTERO EDGAR	NYNEX Telephone
	RAMSEY A	NYNEX Telephone
	SEXTON J ELLEN	NYNEX Telephone
1983	BARBARA JOAQUIM	New York Telephone
	BROWN HEATHER	New York Telephone
	CAMILLERI JOHN	New York Telephone
1978	AHERN WM	New York Telephone
	BARBARA JOAQUIM	New York Telephone
	CAMILLERI JOHN	New York Telephone
	YASKOT GREGORY	New York Telephone
1973	MONTOYA D DIER	New York Telephone
	WHITE BIRCH TRUCKS CO TERMNL	New York Telephone
1931	EICHOLTZ MATILDA	Manhattan and Bronx Directory Publishing Company Residential Directory
	HOWARD JAS	Manhattan and Bronx Directory Publishing Company Residential Directory
	HOWARD MARY	Manhattan and Bronx Directory Publishing Company Residential Directory
	HOWARD THOS J POLICE	Manhattan and Bronx Directory Publishing Company Residential Directory
	HOWG MICHLI	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	LEE DAVID R	New York Telephone
	MCCARTHY R J	New York Telephone
1923	Dinneen Jno A police	R. L. Polk & Co.
1920	Woods Jno cook	R. L. Polk & Co.
	Zgonbick Peter lab	R. L. Polk & Co.
	Cammarota Frank barber	R. L. Polk & Co.
	Cammarota Jos barber	R. L. Polk & Co.

FINDINGS

Year	Uses	Source
1920	Cassiero Erminia wid Blasio	R. L. Polk & Co.
	Davies Edw boatmn	R. L. Polk & Co.
	Dineen Jas lab	R. L. Polk & Co.
	Dinneen Jas	R. L. Polk & Co.
	Dinneen Jas J clk	R. L. Polk & Co.
	Dinneen Jno E city police	R. L. Polk & Co.
	Hayden Timothy deckhand	R. L. Polk & Co.
	Howard Jas lab	R. L. Polk & Co.
	Howard Jas jr driver	R. L. Polk & Co.
	Howard Jos clk	R. L. Polk & Co.
	Howard Park clk	R. L. Polk & Co.
	Howard Thos driver	R. L. Polk & Co.
	Mantell Jas lab	R. L. Polk & Co.
	Nitting Louis lab	R. L. Polk & Co.
	Scrabonia Jno waiter	R. L. Polk & Co.

29 DESBROSSES

Year	Uses	Source
1934	Union Express Co NJ cap $10 000 Kenneth A Thomas pres Geo P Carroll sec treas trucking	R. L. Polk & Co.
	Interstate Forwarding Co Inc NJ cap $ 12 000 Geo P Carroll pres Kenneth Thomas sec treas	R. L. Polk & Co.

30 DESBROSSES

Year	Uses	Source
1923	Picard Georges Co The Georges Picard files & saws	R. L. Polk & Co.
	Great Independent Passenger Trans Co RTN Louis & Marinke Suria	R. L. Polk & Co.
1920	Great Independent Passenger Transter Co RTN Louis & Marinko Suria	R. L. Polk & Co.

31 DESBROSSES

Year	Uses	Source
1988	MILLMAN ROBERT	NYNEX Telephone
	LEE R	NYNEX Telephone
	LANDFIELD RONNIE	NYNEX Telephone
	HENRY CAROLINE	NYNEX Telephone
1983	LONG J	New York Telephone
1978	LANDFIELD RONNIE	New York Telephone

FINDINGS

Year	Uses	Source
1978	JANEWAY WILLIAM H	New York Telephone
	PETTET WILLIAM	New York Telephone
1973	PETTET WILLIAM	New York Telephone
	LANDFIELD RONNIE	New York Telephone
1920	Hoffman C A treas Hoffman La Roche Chemical Works	R. L. Polk & Co.

32 DESBROSSES

Year	Uses	Source
1973	ADLER WAREHSE	New York Telephone
1934	Stostky Ester cigars	R. L. Polk & Co.
1931	KEOUGH JULIA	Manhattan and Bronx Directory Publishing Company Residential Directory
	LOONEY JOS	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	FEILENHAUER LOUIS CIGRS	New York Telephone
	HARRIS JOS RESTRNT	New York Telephone
1923	Valle Julie Cesar varity	R. L. Polk & Co.
	WESTERN UNION TELEGRAPH COMPANY INC Newcomb Carlton Pres G W E Atkins J C Willever W N Fashbaugh G M Yorke Stanley J Goddard V Prests E Y Gallaher V Pres and Comptroller	R. L. Polk & Co.
1920	WESTERN UNION TELEGRAPH CO NY Newcomb Carlton Pres George W E Atkins John C Willever Rush Taggart George M Yorke W M Fashbaugh Ernest Y Gallaber V Prests Andrew F Burlei	R. L. Polk & Co.
	Cotton Exchange	R. L. Polk & Co.
	Valle Julio C cigars	R. L. Polk & Co.

33 DESBROSSES

Year	Uses	Source
1998	SECURITIES COURIER CORP	NYNEX Telephone
	TRIBECA LIMO LTD	NYNEX Telephone
	TRIBECA LIMOUSINE SVCE	NYNEX Telephone
1993	SECURITIES COURIER CORP	NYNEX Telephone
	SECURITIES COURIER CORP INTL	NYNEX Telephone
	TRIBECA LIMO LTD	NYNEX Telephone
	TRIBECA LIMOUSINE SVCE	NYNEX Telephone
1988	TRIBECA LIMOUSINE SVCE	NYNEX Telephone
	TRIBECA LIMO LTD	NYNEX Telephone
	SECURITIES COURIER CORP	NYNEX Telephone

Year	Uses	Source
1983	TRIBECA LIMO LTD	New York Telephone
	T R I B E C A LIMOUSINE LTD	New York Telephone
	SECURITIES COURIER CORP	New York Telephone
1978	WALL LIMOUSINE SVCE	New York Telephone
	WALL CHAUFFEURED LIMOUSINE SVCE	New York Telephone
	PFS LEASING CORP	New York Telephone
	METROPOLITAN LIMOUSINE SVCE	New York Telephone
1973	B & J LIMOUSINE SVCE INC	New York Telephone

34 DESBROSSES

Year	Uses	Source
1956	SORBER JANE	New York Telephone
1931	LIRTZMAN LOUIS J STENO CT	Manhattan and Bronx Directory Publishing Company Residential Directory
	SEGULJA ANTHONY	Manhattan and Bronx Directory Publishing Company Residential Directory
	ANTONELLI MARGT	Manhattan and Bronx Directory Publishing Company Residential Directory
	HERZIC GEO	Manhattan and Bronx Directory Publishing Company Residential Directory
1923	Morace Antonio barber	R. L. Polk & Co.
1920	Jederlinich Nicolas lab	R. L. Polk & Co.
	Lesca Jos lab	R. L. Polk & Co.
	Lesieur Frederic H acct Chas Hecht h Weehawken NJ	R. L. Polk & Co.
	Lirtzmen Jacob jeweler	R. L. Polk & Co.
	Lisica Miles lab	R. L. Polk & Co.
	Purich Matthew lab	R. L. Polk & Co.
	Radich Anton lab	R. L. Polk & Co.
	Spicer Geo cigars	R. L. Polk & Co.
	Spicer Jno lab	R. L. Polk & Co.
	Spicer Jos lab	R. L. Polk & Co.

35 DESBROSSES

Year	Uses	Source
1978	P F S LEASING CORP	New York Telephone
1973	WALL LIMOUSINE SVCE LTD	New York Telephone
	LIMOUSINE SVCE BY WALL	New York Telephone
	LIMOUSINE SVCE BY WALL	New York Telephone
	WALL LIM0SINE SVCE LTD	New York Telephone

FINDINGS

Year	Uses	Source
1934	Supreme Motor Transportation Co Inc NY; cap $10.000 Benj Feinberg pres treas Abe Goldberg v pres Frances Tobe sec trkg	R. L. Polk & Co.
	Washington Market Motor Trucking Co NY; cap $10 000 Benj Feinberg pres treas Abe Goldberg v pres Fracis Tobe sec	R. L. Polk & Co.
1927	LICHTENSTEIN HENRY TRUCKING CO	New York Telephone
1920	Lichtenstein Hy truckmn	R. L. Polk & Co.

36 DESBROSSES

Year	Uses	Source
1927	RADIVOY A LUNCH	New York Telephone

37 DESBROSSES

Year	Uses	Source
1931	RICE FRANK	Manhattan and Bronx Directory Publishing Company Residential Directory
	FURSETH JAS	Manhattan and Bronx Directory Publishing Company Residential Directory
1923	Lee Jas c/o Atlantic Gulf S S Co	R. L. Polk & Co.
	Powell Express Co Inc NY	R. L. Polk & Co.
1920	Lee Michl J driver	R. L. Polk & Co.
	Lee Geo A checker	R. L. Polk & Co.
	Lee Danl F clk	R. L. Polk & Co.
	Lee Danl watchman	R. L. Polk & Co.
	Gibbons Patk A clk	R. L. Polk & Co.
	Gibbons Patk mech Diebold Safe & Lock Co	R. L. Polk & Co.
	Gibbons Michl J clk	R. L. Polk & Co.
	Gibbons Jas clk	R. L. Polk & Co.
	Collins Matthew cooper	R. L. Polk & Co.
	Bosch Cord oysters	R. L. Polk & Co.
	Herman Ernest Ish	R. L. Polk & Co.

38 DESBROSSES

Year	Uses	Source
1934	Eastern & Gulf Marine Cooks & Stewards Union Wm L Carledge sec	R. L. Polk & Co.
1927	INDUSTRIAL STEEL CO	New York Telephone
	INDUSTRIAL STEEL CO OF NY	New York Telephone
1923	DeLio Andrew fruits	R. L. Polk & Co.
	Industrial Steel Co RTN Gustav Van Der Los and Otto Mueller	R. L. Polk & Co.

Year	Uses	Source
1923	Titan Trading Co RTN Jno Danl & Oscar Hauser Otto Muellen	R. L. Polk & Co.
1920	Luzina Anton lab	R. L. Polk & Co.
	Kretzak Jno deckhand	R. L. Polk & Co.
	Industrial Steel Co TN Hans Kortenhaus Gustav Van Der Loo	R. L. Polk & Co.
	Brusich Jno deckhd	R. L. Polk & Co.
	Herzig Frank dackhand	R. L. Polk & Co.

39 DESBROSSES

Year	Uses	Source
1998	FILLI PONTE RESTAURANT FINE CONTINENTAL CUISINE	NYNEX Telephone
1920	McCoy Michl	R. L. Polk & Co.

40 DESBROSSES

Year	Uses	Source
1920	Neven Geo F	R. L. Polk & Co.

DESBROSSES ST

27 DESBROSSES ST

Year	Uses	Source
2008	FAYODAH LLC	Cole Information Services
2006	h Camilleri Scott A	Hill-Donnelly Information Services
	Kashiwada M A	Hill-Donnelly Information Services
	Perr Janet A	Hill-Donnelly Information Services
	h Quintero Edgar A	Hill-Donnelly Information Services
	h seban Yves A	Hill-Donnelly Information Services
2000	APARTMENTS	Cole Information Services
	WILLIAM AHERN	Cole Information Services
	11 E BLY	Cole Information Services
	ELOISE BOWERS	Cole Information Services
	JOSEPH CAMILLERI	Cole Information Services
	SCOTT CAMILLERI	Cole Information Services
	1 FORMAN COLE	Cole Information Services
	V B ESVANDJIA	Cole Information Services
	12 LUIS LEITE	Cole Information Services
	3 EDGAR QUINTERO	Cole Information Services
	YVES SEBAN	Cole Information Services
1983	Barbara Joaquim	New York Telephone

FINDINGS

Year	Uses	Source
1983	Brown Heather	New York Telephone
	Camilleri John	New York Telephone
1931	Howard Thos J police	Manhattan and Bronx Directory Publishing Company Residential Directory
	Howg Michli	Manhattan and Bronx Directory Publishing Company Residential Directory
	Eicholtz Matilda	Manhattan and Bronx Directory Publishing Company Residential Directory
	Howard Jas	Manhattan and Bronx Directory Publishing Company Residential Directory
	Howard Mary	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Lee David r	New York Telephone
	Mc Carthy R J	New York Telephone

31 DESBROSSES ST

Year	Uses	Source
2006	h Millman Robert A	Hill-Donnelly Information Services
	h Landfield Ronnie A	Hill-Donnelly Information Services
	h Henry Caroline A	Hill-Donnelly Information Services
	Hartland Productions	Hill-Donnelly Information Services
	Beeder Ann A	Hill-Donnelly Information Services
	h Santore Raphael A	Hill-Donnelly Information Services
2000	APARTMENTS	Cole Information Services
	6 ROBERT MILLMAN	Cole Information Services
	1 RONNIE LANDFIELD	Cole Information Services
	CAROLINE HENRY	Cole Information Services
	FELICIA DECHABRIS	Cole Information Services
	5 ANN BEEDER	Cole Information Services
1983	Long J	New York Telephone

32 DESBROSSES ST

Year	Uses	Source
1931	Looney Jos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Keough Julia	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Harris Jos restrnt	New York Telephone
	Feilenhauer Louis cigrs	New York Telephone

FINDINGS

33 DESBROSSES ST

Year	Uses	Source
2008	AUTOMOTIVE SERVICE SYSTEMS INC	Cole Information Services
	SECURITIES COURIER CORP	Cole Information Services
	AUTOMOTIVE SERVICE SYSTEMS INC	Cole Information Services
	SECURITIES COURIER CORP	Cole Information Services
2006	Automotive Service System Inc	Hill-Donnelly Information Services
	Accutrak Inc 2 P	Hill-Donnelly Information Services
2000	TRIBECA LIMO SVCE	Cole Information Services
	TRIBECA LIMO LTD	Cole Information Services
	SCRTS COURIER CRP	Cole Information Services
	ATMTV SVC SYST INC	Cole Information Services
1983	Tribeca Limo Ltd	New York Telephone
	T R I B E C A Limousine Ltd	New York Telephone
	Securities Courier Corp	New York Telephone

34 DESBROSSES ST

Year	Uses	Source
2013	TRIBECA PRINTWORKS	Cole Information Services
1931	Antonelli Margt	Manhattan and Bronx Directory Publishing Company Residential Directory
	Segulja Anthony	Manhattan and Bronx Directory Publishing Company Residential Directory
	Lirtzman Louis J steno ct	Manhattan and Bronx Directory Publishing Company Residential Directory
	Herzic Geo	Manhattan and Bronx Directory Publishing Company Residential Directory

35 DESBROSSES ST

Year	Uses	Source
1927	Lichtenstein Henry Trucking Co	New York Telephone

36 DESBROSSES ST

Year	Uses	Source
1927	Radivoy A lunch	New York Telephone

37 DESBROSSES ST

Year	Uses	Source
2008	PONTE EQUITIS	Cole Information Services
1931	Rice Frank	Manhattan and Bronx Directory Publishing Company Residential Directory
	Furseth Jas	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

38 DESBROSSES ST

Year	Uses	Source
1927	Industrial Steel Co	New York Telephone
	Industrial Steel Co of NY	New York Telephone

39 DESBROSSES ST

Year	Uses	Source
2013	0 1 A1 L 0 C K SMITH	Cole Information Services
	PONTE RESTAURANT	Cole Information Services
	LOCKSMITH NY	Cole Information Services
2008	33 39 DEBROSSES LLC	Cole Information Services
	FILLI PONTE RISTORANTE	Cole Information Services
	S PONTE RESTAURANTE	Cole Information Services
2006	Fill Ponte Restaurant 2 R	Hill-Donnelly Information Services
2000	FILLI PNT RSTRNT	Cole Information Services

Desbrosses Street

33 Desbrosses Street

Year	Uses	Source
2006	Accutrak Inc 2 P	Hill-Donnelly Information Services
	Automotive Service System Inc	Hill-Donnelly Information Services
2000	ATMTV SVC SYST INC	Cole Information Services
	SCRTS COURIER CRP	Cole Information Services
	TRIBECA LIMO LTD	Cole Information Services
	TRIBECA LIMO SVCE	Cole Information Services
1983	Securities Courier Corp	New York Telephone
	T R I B E C A Limousine Ltd	New York Telephone
	Tribeca Limo Ltd	New York Telephone

WASHINGTON

442 WASHINGTON

Year	Uses	Source
1998	WASHINGTON COFFEE SUPPLIES	NYNEX Telephone
1927	P & G BOTTLE CO	New York Telephone

443 WASHINGTON

Year	Uses	Source
1927	Bonich Nick r	New York Telephone

FINDINGS

444 WASHINGTON

Year	Uses	Source
1927	Cohen Jacob scrap iron	New York Telephone
	Troy D J trckman	New York Telephone

445 WASHINGTON

Year	Uses	Source
1931	HIGGINS MARY	Manhattan and Bronx Directory Publishing Company Residential Directory
	FALVEY NORA	Manhattan and Bronx Directory Publishing Company Residential Directory
	FALVEY JEREMIAH	Manhattan and Bronx Directory Publishing Company Residential Directory
	FALVEY ANNA	Manhattan and Bronx Directory Publishing Company Residential Directory
	CUNNINGHAM THOS	Manhattan and Bronx Directory Publishing Company Residential Directory
	CUNNINGHAM RICH	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Callahan Patk r	New York Telephone

446 WASHINGTON

Year	Uses	Source
1931	BACH NICHOLAS	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Bach N delctsn	New York Telephone

447 WASHINGTON

Year	Uses	Source
1931	BAXTER ELIZ	Manhattan and Bronx Directory Publishing Company Residential Directory
	BAXTER HELEN	Manhattan and Bronx Directory Publishing Company Residential Directory
	MARTIN BERNARD	Manhattan and Bronx Directory Publishing Company Residential Directory
1920	Layden Michl	R. L. Polk & Co.

WASHINGTON AVE

441 WASHINGTON AVE

Year	Uses	Source
1950	GARCIA LOUIS PHOTOGPHR	New York Telephone

FINDINGS

443 WASHINGTON AVE

Year	Uses	Source
1931	CHONIK NOSPL	Manhattan and Bronx Directory Publishing Company Residential Directory
	Chonik Nospl	Manhattan and Bronx Directory Publishing Company Residential Directory

WASHINGTON ST

431 WASHINGTON ST

Year	Uses	Source
2013	ONE DREAM SOUND	Cole Information Services
2008	KOOKS CO LTD	Cole Information Services

433 WASHINGTON ST

Year	Uses	Source
2013	DE JUAN STROUD	Cole Information Services
2008	DE JUAN STROUD INC	Cole Information Services

435 WASHINGTON ST

Year	Uses	Source
2008	PONTE EQUITIES INC	Cole Information Services
	JOSE GORIS	Cole Information Services
	WEST 88 CAPITAL	Cole Information Services

437 WASHINGTON ST

Year	Uses	Source
2013	JWN ENTERPRISES INC	Cole Information Services
	PONTE EQUITIES	Cole Information Services
	JWN ENTERPRISES INC	Cole Information Services
	PONTE EQUITIES	Cole Information Services
2008	JOHN BENTHAM PHOTOGRAPHY	Cole Information Services
	JOHN BENTHAM PHOTOGRAPHY	Cole Information Services
2006	Agency Models & Talent Dev Ctr	Hill-Donnelly Information Services
	h Rabdau Patnck	Hill-Donnelly Information Services
	h Mirnchello Ross A	Hill-Donnelly Information Services
	J Burch o	Hill-Donnelly Information Services
	h Burch	Hill-Donnelly Information Services
	Bentham John	Hill-Donnelly Information Services
	Rainlake LLC o	Hill-Donnelly Information Services

FINDINGS

439 WASHINGTON ST

Year	Uses	Source
2006	441 Na	Hill-Donnelly Information Services

442 WASHINGTON ST

Year	Uses	Source
2013	WASHINGTON COFFEE SUPPLIES	Cole Information Services
2006	Washington Coffee Supplies	Hill-Donnelly Information Services

445 WASHINGTON ST

Year	Uses	Source
2013	TRIBECA PARKING CORP	Cole Information Services
	TRIBECA PARKING CORP	Cole Information Services
2008	TRIBECA PARKING CORP	Cole Information Services
	TRIBECA PARKING CORP	Cole Information Services
2006	Tribeca Parldking Corp	Hill-Donnelly Information Services

446 WASHINGTON ST

Year	Uses	Source
2013	MANHATAN AUTOMOTIVE	Cole Information Services

447 WASHINGTON ST

Year	Uses	Source
2006	Na	Hill-Donnelly Information Services

450 WASHINGTON ST

Year	Uses	Source
2013	FIKA	Cole Information Services
	KSW MECHANICAL SERVICES INCORPORATED	Cole Information Services
	QUICK PARK GARAGE	Cole Information Services
	JACK PARKER CORPORATION	Cole Information Services
	TRUFFLES	Cole Information Services

Washington Street

431 Washington Street

Year	Uses	Source
2006	Kooks Co LTD IR	Hill-Donnelly Information Services

FINDINGS

433 Washington Street

Year	Uses	Source
2006	De Juan Stroud v A	Hill-Donnelly Information Services
	Page Mary	Hill-Donnelly Information Services
	Stroud De Juan I R	Hill-Donnelly Information Services
	Wong C	Hill-Donnelly Information Services
	Wallace D va	Hill-Donnelly Information Services

435 Washington Street

Year	Uses	Source
2006	U Brenner Evan A	Hill-Donnelly Information Services
	h Nizalowsdki J A	Hill-Donnelly Information Services
	Orchard Asset MGT IF	Hill-Donnelly Information Services

437 Washington Street

Year	Uses	Source
2006	Bentham John	Hill-Donnelly Information Services
	h Burch	Hill-Donnelly Information Services
	J Burch o	Hill-Donnelly Information Services
	h Mirnchello Ross A	Hill-Donnelly Information Services
	h Rabdau Patnck	Hill-Donnelly Information Services
	Rainlake LLC o	Hill-Donnelly Information Services
	Agency Models & Talent Dev Ctr	Hill-Donnelly Information Services

439 Washington Street

Year	Uses	Source
2006	441 Na	Hill-Donnelly Information Services

445 Washington Street

Year	Uses	Source
2006	Tribeca Parldking Corp	Hill-Donnelly Information Services

WASHINGTON TER

442 WASHINGTON TER

Year	Uses	Source
1927	P & G Bottle Co	New York Telephone

445 WASHINGTON TER

Year	Uses	Source
1931	Higgins Mary	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

Year	Uses	Source
1931	Falvey Nora	Manhattan and Bronx Directory Publishing Company Residential Directory
	Falvey Jeremiah	Manhattan and Bronx Directory Publishing Company Residential Directory
	Cunningham Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
	Cunningham Rich	Manhattan and Bronx Directory Publishing Company Residential Directory
	Falvey Anna	Manhattan and Bronx Directory Publishing Company Residential Directory

446 WASHINGTON TER

Year	Uses	Source
1931	Bach Nicholas	Manhattan and Bronx Directory Publishing Company Residential Directory

447 WASHINGTON TER

Year	Uses	Source
1931	Baxter Eliz	Manhattan and Bronx Directory Publishing Company Residential Directory
	Martin Bernard	Manhattan and Bronx Directory Publishing Company Residential Directory
	Baxter Helen	Manhattan and Bronx Directory Publishing Company Residential Directory

WEST ST

266 WEST ST

Year	Uses	Source
2013	DELPHI REAL ESTATE ADVISORS LLC	Cole Information Services
2008	CHANDER AUTO REPAIR	Cole Information Services

West Street

266 West Street

Year	Uses	Source
2006	Chander Auto Repair is o	Hill-Donnelly Information Services
2000	SAMUEL KRETSCHMER	Cole Information Services
1998	BEST 2 STORIES AUTO REPAIR INC	NYNEX Telephone
1993	LEE MYLES TRANSMISSIONS MIDTOWN OFFICE	NYNEX Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
440 Washington Street	2008, 2000, 1998, 1996, 1993, 1988, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
266 WEST ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
266 West Street	2013, 2008, 1996, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
27 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934
27 DESBROSSES ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920
27 DESBROSSES ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
29 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1927, 1923, 1920
30 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927
31 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
31 DESBROSSES ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
32 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938
32 DESBROSSES ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920
33 DESBROSSES	2013, 2008, 2006, 2000, 1996, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
33 DESBROSSES ST	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
33 DESBROSSES ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
33 DESBROSSES ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
33 Desbrosses Street	2013, 2008, 1998, 1996, 1993, 1988, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
34 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1950, 1947, 1942, 1938, 1934, 1927
34 DESBROSSES ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
34 DESBROSSES ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
35 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931, 1923
35 DESBROSSES ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
36 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
36 DESBROSSES ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
37 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927
37 DESBROSSES ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
37 DESBROSSES ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
38 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1931
38 DESBROSSES ST	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
39 DESBROSSES	2013, 2008, 2006, 2000, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
39 DESBROSSES ST	2013, 2008, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
39 DESBROSSES ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
40 DESBROSSES	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923
428 Washington Street	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
431 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
431 Washington Street	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
433 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
433 Washington Street	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
435 WASHINGTON ST	2013, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
435 Washington Street	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
437 WASHINGTON ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
437 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
437 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
437 Washington Street	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
439 WASHINGTON ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
439 Washington Street	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
441 WASHINGTON AVE	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
442 WASHINGTON	2013, 2008, 2006, 2000, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
442 WASHINGTON ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
442 WASHINGTON ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
442 WASHINGTON TER	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
443 WASHINGTON	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
443 WASHINGTON AVE	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
444 WASHINGTON	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1923, 1920
445 WASHINGTON	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920
445 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
445 WASHINGTON ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
445 WASHINGTON ST	2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
445 Washington Street	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
445 WASHINGTON TER	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
446 WASHINGTON	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1923, 1920
446 WASHINGTON ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
446 WASHINGTON TER	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
447 WASHINGTON	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923
447 WASHINGTON ST	2013, 2008, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
447 WASHINGTON TER	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1927, 1923, 1920
450 WASHINGTON ST	2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920
450 Washington Street	2013, 2008, 2006, 2000, 1998, 1996, 1993, 1988, 1983, 1978, 1973, 1968, 1963, 1958, 1956, 1950, 1947, 1942, 1938, 1934, 1931, 1927, 1923, 1920

Appendix D
Soil Boring Logs

LANGAN

Log of Boring **SB01** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 — Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 15 ft — Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ 12 — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						8:05 Begin drilling; advance Tricone roller bit through concrete to 1 ft bgs
		0-10" Loose dark brown silty fine to coarse SAND, some gravel with brick (moist) [FILL]	1	R1	SPLIT SPOON	10/24		0.0	Sample SB01_1-2 collected at 8:30
			2					0.0	
		0-6" Mottled dark brown and reddish brown gravelly SAND, some silt with brick and crushed concrete (moist) [FILL]	3	R2	SPLIT SPOON	6/24		0.0	
			4					0.0	
		0-12" Loose reddish brown sandy GRAVEL, trace silt (moist) [FILL]	5	R3	SPLIT SPOON	12/24		0.0	
			6					0.0	
		0-5" Loose reddish brown sandy GRAVEL, trace silt (moist) [FILL]	7	R4	SPLIT SPOON	5/24		0.0	
			8					0.0	
		0-14" Loose brown fine to coarse SAND, some silt, some gravel (moist)	9	R5	SPLIT SPOON	14/24		0.0	
			10					0.0	
		0-8" Loose brown fine to coarse SAND, some gravel, trace silt	11	R6	SPLIT SPOON	8/24		0.0	
			12 ▽					0.0	
		0-10" Loose brown fine to coarse SAND, some silt, trace gravel (wet)	13	R7	SPLIT SPOON	10/24		0.0	
			14					0.0	
			15					0.0	End of boring at 15 ft; boring filled with cuttings and capped with concrete.
			16						
			17						
			18						
			19						
			20						

LANGAN

Log of Boring **SB02** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 — Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 2 ft — Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ not — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0					30	Begin drilling at 9:05; advance Tricone roller bit through concrete to ~6 in bgs
		Loose fine-medium SAND, trace silt, trace rounded gravel (moist) [FILL]	1	R1	SPLIT SPOON	0/24			Sample SB02_0.5-1 collected at 9:30 by hand from wall of boring
			2						Petroleum-like odors and staining 0.5-1 ft bgs Refusal at 1 ft Refusal; end of boring at 2 ft; boring filled with cuttings and capped with concrete.
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB03** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 — Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 16 ft — Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ 11 — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Begin drilling at 9:45; advance Tricone roller bit to 1 ft bgs
		0-2" Loose dark gray fine to coarse SAND, some gravel, trace silt with brick (moist) [FILL]	1	R1	SPLIT SPOON	2/24		0.0	
			2					0.0	
		0-8" Loose dark brown fine to coarse SAND, some gravel, trace silt with brick and coal (moist) [FILL]	3	R2	SPLIT SPOON	8/24		0.0	
			4					0.0	Sample SB03_4-5 collected at 10:00
		0-10" Loose dark brown fine to coarse SAND, some gravel, trace silt with brick and rock fragments (moist) [FILL]	5	R3	SPLIT SPOON	10/24		0.0	
			6					0.0	Refusal at 6.5 ft bgs; advance Tricone roller bit to 8 ft bgs
		0-5" Firm dark brown GRAVEL, some fine to coarse sand, trace clay, trace silt (wet) [FILL]	7					0.0	
			8					0.0	
			9	R4	SPLIT SPOON	5/24		0.0	
		0-11" Firm reddish brown fine to coarse SAND, trace silt, trace well-rounded gravel (wet)	10					0.0	
		▽	11	R5	SPLIT SPOON	11/24		0.0	
		0-9" Firm reddish-brown silty SAND	12					0.0	
		9-12" Firm gray CLAY, trace fine to medium sand, trace silt (moist)	13	R6	SPLIT SPOON	12/24		0.0	
		0-12" Firm dark gray silty fine to coarse SAND (moist)	14					0.0	
			15	R7	SPLIT SPOON	12/24		0.0	
			16					0.0	End of boring at 16 ft; backfill boring with cuttings and cap with concrete
			17						
			18						
			19						
			20						

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Log of Boring **SB04** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 — Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 15 ft — Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ not — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Begin drilling at 10:45; advance Tricone roller bit to 1 ft bgs
		0-14" Loose dark brown fine to coarse SAND, some gravel, trace clay, trace silt with brick, concrete, coal (moist) [FILL]	1					0.0	
			2	R1	SPLIT SPOON	14/24		0.0	Sample SB04_2-3 collected at 10:55
		0-14" Loose reddish brown gravelly SAND, trace silt with crushed rock and crushed concrete (moist) [FILL]	3					0.0	
			4	R2	SPLIT SPOON	14/24		0.0	
		0-5" Loose brown GRAVEL, some fine to coarse SAND, trace silt (moist) [FILL]	5					0.0	
			6	R3	SPLIT SPOON	5/24		0.0	
		0-3" Loose brown fine to coarse SAND, some silt, some gravel with crushed rock (moist) [FILL]	7					0.0	
			8	R4	SPLIT SPOON	3/24		0.0	
		0-4" Loose brown silty fine to coarse SAND, some silt, some gravel with crushed rock (moist)	9					0.0	
			10	R5	SPLIT SPOON	4/24		0.0	
		0-19" Firm brown silty fine to coarse SAND, trace clay with crushed rock and organic matter (moist)	11					0.0	Organic odor 11-15 ft bgs
			12	R6	SPLIT SPOON	19/24		0.0	
		0-7" Firm brown silty fine to coarse SAND, some rounded gravel, trace clay with organic matter (moist)	13					0.0	
			14	R7	SPLIT SPOON	17/24		0.0	
			15					1.7	End of boring at 15 ft bgs; backfill boring with cuttings and cap with concrete
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB05** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 / Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 14 ft / Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First ▽ not / Completion ▼ - / 24 HR. ▼ -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Begin drilling at 11:20; advance Tricone roller bit to 1 ft bgs
			1						Refusal at 1 ft bgs; advance Tricone roller bit to 2 ft bgs
		0-18" Loose brown fine to coarse silty SAND, some angular gravel with brick (moist) [FILL]	2						
			3	R1	SPLIT SPOON	18/24			
		0-11" Loose dark brown fine to coarse SAND, some silt with brick (moist) [FILL]	4						
			5	R2	SPLIT SPOON	11/24			Sample SB05_5-6 collected at 11:35
		0-10" Loose dark brown fine to coarse SAND, some silt (moist)	6						
			7	R3	SPLIT SPOON	10/24			
		0-7" Firm dark brown fine to coarse SAND, some silt, some gravel with organic matter	8						
			9	R4	SPLIT SPOON	7/24			
		0-7" Loose brown gravelly fine to coarse SAND, trace silt with organic matter	10						Organic odors 10-14 ft bgs
			11	R5	SPLIT SPOON	7/24			
		0-3" Organic matter	12						
			13	R6	SPLIT SPOON	3/24			
			14						End of boring at 14 ft; backfill boring with cuttings and cap with concrete
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB06** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 — Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 15 ft — Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ 13 — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						
		0-7" Loose black fine to coarse SAND, trace silt (moist) [FILL]	1	R1	SPLIT SPOON	7/12		0.0	
			2	R2	SPLIT SPOON	0/24			
		0-3" Loose dark gray fine to coarse SAND, trace silt (moist) [FILL]	3	R3	SPLIT SPOON	9/24		0.0	
		3-9" Firm brown fine to coarse SAND, some silt (moist) [FILL]	4					0.0	
		0-9" Firm brown fine to coarse SAND, some gravel, trace silt (moist)	5	R4	SPLIT SPOON	9/24		0.0	
			6					0.0	
		0-10" Firm brown fine to coarse SAND, some silt, trace gravel with pyrite (moist)	7	R5	SPLIT SPOON	10/24		0.0	
			8					0.0	
		0-11" Firm brown fine to coarse SAND, some silt, trace gravel (moist)	9	R6	SPLIT SPOON	19/24		0.0	
		11-19" Loose dark brown fine to coarse SAND, some gravel, trace silt with organic matter (moist)	10					0.0	
		0-5" Loose dark brown fine to coarse SAND, some gravel, trace silt with organic matter (moist)	11	R7	SPLIT SPOON	9/24		0.0	
		5-9" Reddish brown gravelly SAND, trace silt (moist)	12					0.0	
		0-19" Reddish brown gravely SAND, trace silt (wet)	13 ▽	R8	SPLIT SPOON	24/24		0.0	
			14					0.0	
		19-24" Reddish brown fine to coarse SAND, trace silt (moist)	15					0.0	
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB07** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 — Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 15 ft — Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ not — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Begin boring at 13:10; advance Tricone roller bit to 1 ft bgs
		0-13" Dark brown fine to coarse SAND, some gravel, trace silt (moist) [FILL]	1	R1	SPLIT SPOON	13/24		0.0	Sample SB07_1-2 collected at 13:20
			2					0.0	
		0-10" Loose brown fine to coarse SAND, some silt, some gravel (moist) [FILL]	3	R2	SPLIT SPOON	10/24		0.0	
			4					0.0	
		0-7" Loose brown fine to coarse SAND, trace silt, trace gravel (moist) [FILL]	5	R3	SPLIT SPOON	7/24		0.0	
			6					0.0	
			7	R4	SPLIT SPOON	0/24			
		0-9" Firm brown gravelly fine to coarse SAND, trace silt (moist)	8						
			9	R5	SPLIT SPOON	9/24			
			10					0.0	
		0-13" Firm brown fine to medium SAND, some silt, trace coarse sand, trace gravel (moist)	11	R6	SPLIT SPOON	13/24		0.0	Organic odors 11-14.5 ft bgs
			12					0.0	
		0-20" Firm brown fine to medium SAND, some silt, trace coarse sand, trace gravel (moist)	13	R7	SPLIT SPOON	22/24		0.0	
			14					0.0	
		20-22" Gray CLAY, trace silt, organic matter (moist)	15					0.0	End of boring at 15 ft; backfill with cuttings and cap with concrete
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB08** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/28/15 — Date Finished: 4/28/15
Drilling Equipment: Acker Truck-Mounted	Completion Depth: 14 ft — Rock Depth: not
Size and Type of Bit: 3 7/8" Tricone Roller Bit	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ not — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: 2-foot Split Spoon	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Begin boring at 13:50; advance Tricone roller bit to 1 ft bgs
		0-12" Loose brown gravelly fine to coarse SAND, trace silt with brick, coal and concrete (moist) [FILL]	1	R1	SPLIT SPOON	12/24		0.0	
		0-4" Loose brown gravelly fine to coarse SAND, some silt with brick (moist) [FILL]	2					0.0	
			3	R2	SPLIT SPOON	4/24		0.0	
		0-3" Loose brown gravelly fine to coarse SAND, trace silt (moist) [FILL]	4					33.7	Sample SB08_3.5-4 collected at 14:05
			5	R3	SPLIT SPOON	3/24		0.0	Petroleum-like odors and staining 3.5-6 ft bgs; Sample SB08_5-5.5 collected at 14:15
			6					27.9	
			7	R4	SPLIT SPOON	0/24		0.0	
		0-7" Reddish brown fine to coarse SAND, some silt, trace gravel (moist)	8					0.0	
			9	R5	SPLIT SPOON	7/24		0.0	
		0-4" Brown fine to coarse SAND, some silt (moist)	10					0.0	
			11	R6	SPLIT SPOON	4/24		0.0	
		0-5" Brown fine to coarse SAND, some silt, some gravel (moist)	12					612	Sample SB08_11.5-12 collected at 14:25
			13	R7	SPLIT SPOON	5/24		330	Petroleum-like odors and staining 11.5-14 ft bgs; Sample SB08_13.5-14 collected at 14:30
			14						End of boring at 14 ft; backfill with cuttings and cap with concrete
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB09** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: Warren George, Inc	Date Started: 4/29/15 — Date Finished: 4/29/15
Drilling Equipment: Hand-operated Jackhammer	Completion Depth: 1.5 ft — Rock Depth: not
Size and Type of Bit: n/a	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ not — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: J. Harris
Sampler: n/a	Inspecting Engineer: K. Cullen
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0	R1	N/A	18/18		0.0	Begin jackhammering concrete at 7:20
		Loose black fine to coarse SAND, some gravel, trace silt with brick, concrete and coal (dry) [FILL]	1					0.0	
								0.0	Sample SB09_1-1.5 collected at 7:50 by removing soil from hole by hand
			2					0.0	End of boring at 1.5 ft; boring backfilled with soil cuttings
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB03C** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/2/15 / Date Finished: 6/2/15
Drilling Equipment: 7730 DT	Completion Depth: 7 ft / Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First: not encountered / Completion: - / 24 HR.: -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 07:35
		Loose grey brown medium SAND, trace gravel with concrete and slag (moist) (FILL).	1	4	MACROCORE	25/48		0	
			2						
			3						
		Loose grey brown medium SAND, trace gravel with concrete and slag (moist) (FILL).	4	6	MACROCORE	3/12		0	
			5					0	
		Loose grey brown medium SAND, trace gravel with concrete and slag (moist) (FILL).	6	7	MACROCORE	7/12			Discreet sample 6 - 7 feet SB03C_6-7 @ 07:50
			7						EOB @ 7 feet
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB03E** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/2/15 — Date Finished: 6/2/15
Drilling Equipment: 7730 DT	Completion Depth: 5 ft — Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First: not encountered — Completion: - — 24 HR.: -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 07:50
		Loose grey brown f-m SAND, some gravel, with concrete (moist) (FILL).	1						
			2	4	MACROCORE	20/48		0	
			3						
		Loose brown fine SAND, travel gravel C+D debris (moist) (FILL).	4						Discreet sample 4 - 5 feet
			5	5	MACROCORE	3/12		0	SB03E_4-5 @ 07:55
			6						EOB @ 5 feet
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB03N** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/2/15 / Date Finished: 6/2/15
Drilling Equipment: 7730 DT	Completion Depth: 5 ft / Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First: not encountered / Completion: - / 24 HR.: -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 07:50
		Loose grey brown f-m SAND, some gravel (moist) (FILL).	1						
			2	4	MACROCORE	20/48			
			3					0.3	
		Loose black medium SAND, some silt, trace gravel (moist) (FILL).	4		MACROCORE			23	SB03N_3-4 @ 08:10
		Loose grey brown f-m SAND, gravel gravel (moist) (FILL).	5	5		6/12		0.3	Discreet sample 4 - 5 feet SB03N_4-5 @ 08:10 EOB @ 5 feet
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

LANGAN

Log of Boring **SB03W** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/2/15 — Date Finished: 6/2/15
Drilling Equipment: 7730 DT	Completion Depth: 5 ft — Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First: not encountered — Completion: - — 24 HR.: -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 08:20
		Loose grey brown medium SAND, some gravel trace C+D debris (moist) (FILL).	1						
			2	4	MACROCORE	20/48			
			3					0	
								0	
			4					0	Discreet sample 4 - 5 feet
		Loose grey brown medium SAND, some gravel trace C+D debris (moist) (FILL).		5	MACROCORE	6/12		0	SB03W_4-5 @ 08:30
			5						EOB @ 5 feet
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

LANGAN

Log of Boring **SB05C** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/1/15 — Date Finished: 6/1/15
Drilling Equipment: 7730 DT	Completion Depth: 8 ft — Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First: not encountered — Completion: - — 24 HR.: -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 14:20
		Loose grey brown f-m SAND, trace gravel, trace silt with brick (moist) (FILL).	1						
			2	4	MACROCORE	12/48		0	
			3						
			4						
			5	7	MACROCORE	0/36		0	
			6						
			7	8	MACROCORE	4/12		0	Discreet sample 7 - 8 feet SB05C_7-8 @ 15:40
			8						EOB @ 8 feet
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

LANGAN

Log of Boring **SB05E** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/1/15 / Date Finished: 6/1/15
Drilling Equipment: 7730 DT	Completion Depth: 6 ft / Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First: not encountered / Completion: - / 24 HR.: -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 15:45
		Loose grey brown medium SAND (moist) (FILL).	1						
			2	4	MACROCORE	20/48		0	
		Medium dense brick gravel (dry) (FILL).	3						
		Loose grey brown medium SAND, some gravel, with brick (moist) (FILL).	4	5	MACROCORE	0/12			
			5	6	MACROCORE	12/12		0	Discreet sample 5 - 6 feet SB05E_5-6 @ 16:05
			6						EOB @ 6 feet
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

LANGAN

Log of Boring **SB05N** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/1/15 — Date Finished: 6/1/15
Drilling Equipment: 7730 DT	Completion Depth: 6 ft — Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First: not encountered — Completion: - — 24 HR.: -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 15:00
		Loose grey brown f-m SAND, trace gravel, trace silt with brick (moist) (FILL).	1						
			2	4	MACROCORE	8/48		0	
			3						
			4	5	MACROCORE	0/12			
			5	6	MACROCORE	6/12		0	Discreet sample 5 - 6 feet SB05N_5-6 @ 14:30
			6						EOB @ 6 feet
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

LANGAN

Log of Boring **SB05W** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/1/15 / Date Finished: 6/1/15
Drilling Equipment: 7730 DT	Completion Depth: 6 ft / Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First: not encountered / Completion: - / 24 HR.: -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 15:40
		Loose red brown f-m SAND, some gravel, with brick and shell fragments (moist) (FILL).	1						
			2	4	MACROCORE	28/48			
			3						
			4	5	MACROCORE	0/12			
			5	6	MACROCORE	4/12			Discreet sample 5 - 6 feet SB05W_5-6 @ 16:00
			6						EOB @ 6 feet
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB10/MW01** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/1/15 / Date Finished: 6/1/15
Drilling Equipment: 7730 DT	Completion Depth: 15 ft / Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First ▽ 8.8 / Completion ▼ - / 24 HR. ▼ -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 11:45
		Loose light brown m-c SAND, trace gravel, with C+D debris (moist) (FILL).	1	1	MACROCORE	24/48		0	SB12_1-2 @ 12:00
			2						
			3						
		Loose grey brown f-m SAND, some gravel, with C+D debris (moist) (FILL).	4	2	MACROCORE	12/48		0	
			5						
			6						
			7						SB11_7-8 @ 11:15
		Loose grey brown f-m SAND, some gravel, trace silt, with wood and brick fragments (wet) (FILL). ▽	8	3	MACROCORE	18/48		0	
			9						
			10						
			11						
		Wood (wet) (FILL).	12	4	MACROCORE	30/36		0	
			13						
		Soft grey SILT, some fine sand (wet) (NATIVE)	14						
			15						EOB @ 15 feet. Install 2-inch diameter prepack to 15 feet with 10 feet of screen
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB11/MW02** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/1/15 — Date Finished: 6/1/15
Drilling Equipment: 7730 DT	Completion Depth: 15 ft — Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed — Undisturbed: 0 — Core: 0
Casing Diameter (in): n/a — Casing Depth (ft): n/a	Water Level (ft.): First ▽ 9.5 — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a — Weight (lbs): n/a — Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 10:20
		Loose light brown m-c SAND, some gravel, with C+D debris (moist) (FILL).	1						SB11_1-2 @ 10:50
			2	1	MACROCORE	32/48		0	
			3						
		Loose light brown m-c SAND, some gravel, with C+D debris (moist) (FILL).	4						
			5						
			6	2	MACROCORE	30/48		0	
		Loose red brick gravel (dry) (FILL).	7						
		Loose grey brown m-c SAND, some gravel, with C+D debris (moist) (FILL).	8						SB11_8-9 @ 11:05
		▽	9						
		Loose brown f-m SAND, some gravel, some silt (wet) (NATIVE).	10	3	MACROCORE	36/48		0	
			11						
		Loose grey brown medium SAND, trace gravel, trace silt (wet) (NATIVE).	12						
			13	4	MACROCORE	15/36		0	
			14						
			15						EOB @ 15 feet. Install 2-inch diameter prepack to 15 feet with 10 feet of screen
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB12/MW03** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/2/15 / Date Finished: 6/2/15
Drilling Equipment: 7730 DT	Completion Depth: 15 ft / Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First ▽ 9.6 / Completion ▼ - / 24 HR. ▼ -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 08:40
		Loose grey f-m SAND, trace gravel, with C+D debris (moist) (FILL).	1	1	MACROCORE	26/48			SB12_1-2, DUP01_060215 @ 09:50
			2					0	
			3					0	
			4					0	
		Loose grey f-m SAND, trace gravel, with C+D debris (moist) (FILL).	5	2	MACROCORE	30/48		0	
			6					0	
		Loose brown fine SAND, trace gravel, trace silt (moist) (FILL).	7					0	
			8					0	
		Loose brown fine SAND, trace gravel, trace silt (moist) (FILL).	9	3	MACROCORE	28/48		0	
		▽	10					0	
		Loose brown f-m SAND, trace gravel, trace silt (wet) (NATIVE).	11					0	
			12					0	
		Loose brown f-m SAND, trace gravel, trace silt (wet) (NATIVE).	13	4	MACROCORE	4/36			SB12_14-15 @ 10:30
			14					0	
			15					0	EOB @ 15 feet. Install 2-inch diameter prepack to 15 feet with 10 feet of screen
			16						
			17						
			18						
			19						
			20						

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Log of Boring **SB13/MW04** Sheet 1 of 1

Project: 440 Washington Street	Project No.: 170361501
Location: 440 Washington Street	Elevation and Datum: Approx.
Drilling Company: AARCO	Date Started: 6/2/15 / Date Finished: 6/2/15
Drilling Equipment: 7730 DT	Completion Depth: 15 ft / Rock Depth: not encountered
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed / Undisturbed: 0 / Core: 0
Casing Diameter (in): n/a / Casing Depth (ft): n/a	Water Level (ft.): First ▽ 8.3 / Completion ▼ - / 24 HR. ▼ -
Casing Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	Drilling Foreman: Tom Seickel
Sampler: 4-foot Macrocore	Inspecting Engineer: D. Hannam
Sampler Hammer: n/a / Weight (lbs): n/a / Drop (in): n/a	

Material Symbol	Elev. (ft)	Sample Description	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		Concrete	0						Start 10:20
		Dark grey medium SAND, some gravel, with ash, C+D debris (moist) (FILL).	1						SB13_1-2 @ 10:50
			2	1	MACROCORE	28/48		0	
		Loose brown medium SAND, trace gravel, trace silt with brick (moist) (FILL).	3					0	
		Loose brown medium SAND, trace gravel, trace silt with brick (moist) (FILL).	4					0	
			5					0	
			6	2	MACROCORE	23/48		0	
			7					0	
		Loose dark grey medium SAND, trace silt, with plant remains, wood fragments (moist) (FILL).	8					0	
		Loose dark grey brown fine SAND, trace shell fragments (wet) (NATIVE).	9						
			10	3	MACROCORE	36/48		0	
			11					0	
		Loose grey brown medium SAND, trace gravel, trace silt (wet) (NATIVE).	12					0	
			13	4	MACROCORE	32/36		0	
		Soft grey CLAY, trace fine sand as 1-inch thick beds, with plant remains (wet) (NATIVE).	14					0	SB13_14-15 @ 11:00
			15					0	EOB @ 15 feet. Install 2-inch diameter prepack to 15 feet with 10 feet of screen
			16						
			17						
			18						
			19						
			20						

Appendix E

Monitoring Well Construction Logs

WELL CONSTRUCTION SUMMARY

Well No. MW01

PROJECT 440 Washington Street	**PROJECT NO.** 170361501
LOCATION New York, NY	**ELEVATION AND DATUM** TBD
DRILLING AGENCY AARCO	**DATE STARTED** 2015-06-01 **DATE FINISHED** 2015-06-01
DRILLING EQUIPMENT Geoprobe 7730DT	**DRILLER** Ryan Rea
SIZE AND TYPE OF BIT Macro-Core®	**INSPECTOR** David Hannam

METHOD OF INSTALLATION

Geoprobe 77300DT was advanced to 15 feet with 2-inch diameter Macro-Core®. A 2-inch diameter prepack temporary well was installed. The well was sealed with 3.

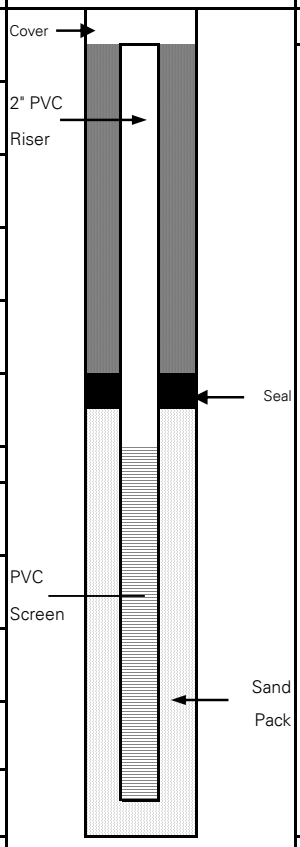
METHOD OF WELL DEVELOPMENT

Whale pump ro approximately 1 hour until visibly clear

TYPE OF CASING PVC	**DIAMETER** 2 inch	**TYPE OF BACKFILL MATERIAL**	No. 2 Sand and clean drill cuttings
TYPE OF SCREEN Prepacked 0.02-inch slotted	**DIAMETER** 2 inch	**TYPE OF SEAL MATERIAL**	Bentonite
BOREHOLE DIAMETER 2 inch		**TYPE OF FILTER MATERIAL**	No. 2 Sand and prepacked screen

TOP OF CASING ELEVATION	**DEPTH (ft)**	
TOP OF SEAL ELEVATION	**DEPTH (ft)** 0	
TOP OF FILTER ELEVATION	**DEPTH (ft)** 3	
TOP OF SCREEN ELEVATION	**DEPTH (ft)** 5	
BOTTOM OF BORINC ELEVATION	**DEPTH (ft)** 15	
SCREEN LENGTH	10	
SLOT SIZE	0.02 inch	

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

DEPTH (FT)

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	2015-06-03	8.81

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

WELL CONSTRUCTION SUMMARY

Well No. MW02

PROJECT 440 Washington Street	**PROJECT NO.** 170361501
LOCATION New York, NY	**ELEVATION AND DATUM** TBD
DRILLING AGENCY AARCO	**DATE STARTED** 2015-06-01 **DATE FINISHED** 2015-06-01
DRILLING EQUIPMENT Geoprobe 7730DT	**DRILLER** Ryan Rea
SIZE AND TYPE OF BIT Macro-Core®	**INSPECTOR** David Hannam

METHOD OF INSTALLATION

Geoprobe 77300DT was advanced to 15 feet with 2-inch diameter Macro-Core®. A 2-inch diameter prepack temporary well was installed. The well was sealed with 3.

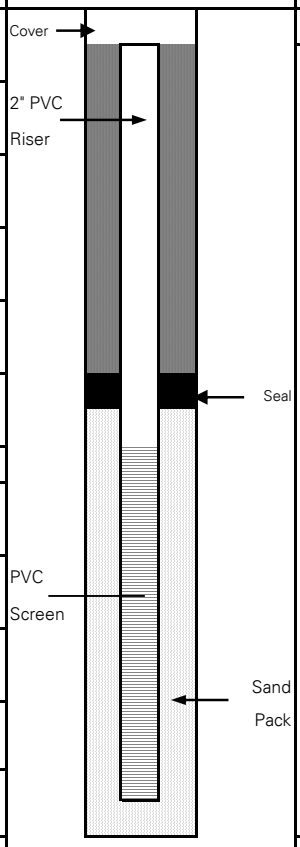
METHOD OF WELL DEVELOPMENT

Whale pump ro approximately 1 hour until visibly clear

TYPE OF CASING PVC	**DIAMETER** 2 inch	**TYPE OF BACKFILL MATERIAL**	No. 2 Sand and clean drill cuttings
TYPE OF SCREEN Prepacked 0.02-inch slotted	**DIAMETER** 2 inch	**TYPE OF SEAL MATERIAL**	Bentonite
BOREHOLE DIAMETER 2 inch		**TYPE OF FILTER MATERIAL**	No. 2 Sand and prepacked screen

TOP OF CASING ELEVATION	**DEPTH (ft)**	
TOP OF SEAL ELEVATION	**DEPTH (ft)** 0	
TOP OF FILTER ELEVATION	**DEPTH (ft)** 3	
TOP OF SCREEN ELEVATION	**DEPTH (ft)** 5	
BOTTOM OF BORINC ELEVATION	**DEPTH (ft)** 15	
SCREEN LENGTH	10	
SLOT SIZE	0.02 inch	

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

DEPTH (FT)

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	2015-06-03	9.46

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

WELL CONSTRUCTION SUMMARY

Well No. MW03

PROJECT 440 Washington Street	**PROJECT NO.** 170361501
LOCATION New York, NY	**ELEVATION AND DATUM** TBD
DRILLING AGENCY AARCO	**DATE STARTED** 2015-06-02 **DATE FINISHED** 2015-06-02
DRILLING EQUIPMENT Geoprobe 7730DT	**DRILLER** Ryan Rea
SIZE AND TYPE OF BIT Macro-Core®	**INSPECTOR** David Hannam

METHOD OF INSTALLATION

Geoprobe 77300DT was advanced to 15 feet with 2-inch diameter Macro-Core®. A 2-inch diameter prepack temporary well was installed. The well was sealed with 3.

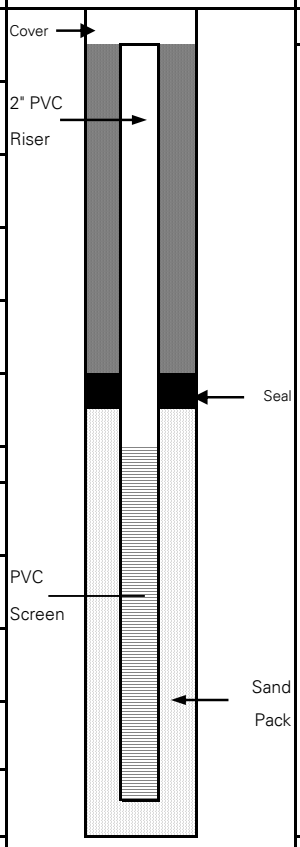
METHOD OF WELL DEVELOPMENT

Whale pump ro approximately 1 hour until visibly clear

TYPE OF CASING PVC	**DIAMETER** 2 inch	**TYPE OF BACKFILL MATERIAL**	No. 2 Sand and clean drill cuttings
TYPE OF SCREEN Prepacked 0.02-inch slotted	**DIAMETER** 2 inch	**TYPE OF SEAL MATERIAL**	Bentonite
BOREHOLE DIAMETER 2 inch		**TYPE OF FILTER MATERIAL**	No. 2 Sand and prepacked screen

TOP OF CASING ELEVATION	**DEPTH (ft)**	
TOP OF SEAL ELEVATION	**DEPTH (ft)** 0	
TOP OF FILTER ELEVATION	**DEPTH (ft)** 3	
TOP OF SCREEN ELEVATION	**DEPTH (ft)** 5	
BOTTOM OF BORINC ELEVATION	**DEPTH (ft)** 15	
SCREEN LENGTH	10	
SLOT SIZE	0.02 inch	

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

DEPTH (FT)

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	2015-06-03	9.63

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727

WELL CONSTRUCTION SUMMARY

Well No. MW04

PROJECT 440 Washington Street	**PROJECT NO.** 170361501
LOCATION New York, NY	**ELEVATION AND DATUM** TBD
DRILLING AGENCY AARCO	**DATE STARTED** 2015-06-02 **DATE FINISHED** 2015-06-02
DRILLING EQUIPMENT Geoprobe 7730DT	**DRILLER** Ryan Rea
SIZE AND TYPE OF BIT Macro-Core®	**INSPECTOR** David Hannam

METHOD OF INSTALLATION

Geoprobe 77300DT was advanced to 15 feet with 2-inch diameter Macro-Core®. A 2-inch diameter prepack temporary well was installed. The well was sealed with 3.

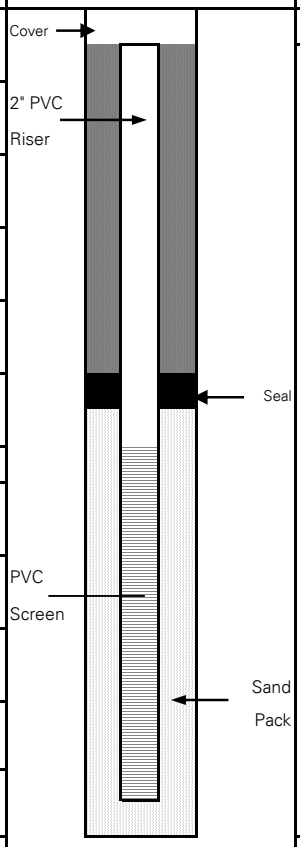
METHOD OF WELL DEVELOPMENT

Whale pump ro approximately 1 hour until visibly clear

TYPE OF CASING PVC	**DIAMETER** 2 inch	**TYPE OF BACKFILL MATERIAL**	No. 2 Sand and clean drill cuttings
TYPE OF SCREEN Prepacked 0.02-inch slotted	**DIAMETER** 2 inch	**TYPE OF SEAL MATERIAL**	Bentonite
BOREHOLE DIAMETER 2 inch		**TYPE OF FILTER MATERIAL**	No. 2 Sand and prepacked screen

TOP OF CASING ELEVATION	**DEPTH (ft)**	
TOP OF SEAL ELEVATION	**DEPTH (ft)** 0	
TOP OF FILTER ELEVATION	**DEPTH (ft)** 3	
TOP OF SCREEN ELEVATION	**DEPTH (ft)** 5	
BOTTOM OF BORINC ELEVATION	**DEPTH (ft)** 15	
SCREEN LENGTH	10	
SLOT SIZE	0.02 inch	

WELL DETAILS



SUMMARY SOIL CLASSIFICATION

DEPTH (FT)

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
	2015-06-03	8.26

Langan Engineering, Environmenta, Surveying and Landscape Architecture, D.P.C.

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Appendix F

Soil Vapor Sampling Logs

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV01

PROJECT: 440 Washington St	**PROJECT NO.:** 170361501
LOCATION: SV01	**SURFACE ELEVATION AND DATUM:** TBD
DRILLING FIRM OR LANGAN INSTALLER:	**INSTALLATION DATE STARTED:** 06/02/15 **DATE FINISHED:** 06/02/15
INSTALLATION FOREMAN: Tom Seichel	**SAMPLE DATE STARTED:** 06/03/2015 **DATE FINISHED:** 06/03/2015
INSTALLATION EQUIPMENT: 7730DT Geoprobe	**TYPE OF SAMPLING DEVICE:** Summa
INSPECTOR: D. Hannon	**SAMPLER:** D Hannon
POTENTIAL SAMPLE INTERFERENCES: ~~Geoprobe~~ Geotechnical drilling nearby	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Dry, cloudy 50-60°F, ,30 in Hg
METHOD OF INSTALLATION AND PURGING: Direct push to 5-feet, install, backfill with sand #2 and bentonite seal	
TUBING TYPE/DIAMETER:	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite to surface
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6 inch	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):**
BOREHOLE DIAMETER: 2 inc	**FILTER PACK MATERIAL (Sand or Glass Beads):**

PURGE VOLUME (L):	5 mins @ 200ml/min
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.0
HELIUM TEST IN BUCKET(%):	26-5min45
HELIUM TEST IN TUBE (PPM):	250 ppm
SAMPLE START DATE/TIME:	11.45
SAMPLE STOP DATE/TIME:	13.45
TOTAL SAMPLE TIME (MIN):	120
FLOW RATE (L/MIN):	~~200~~
VOLUME OF SAMPLE (LITERS):	
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	
CAN SERIAL NUMBER:	1589
REGULATOR SERIAL NUMBER:	0356 (Q)
CAN START VACUUM PRESS. (" HG):	-29.44
CAN STOP VACUUM PRESS. (" HG):	-7.13

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE / SURFACE	Bentonite	
Top of Seal	3 feet	
Top of Pack	Sand	
	5ft	

SAMPLE LOCATION SKETCH

SV01_060315
Helium test in Bucket After: 23-24% 5min
Helium test in Tube After: 0 ppm

Canister ID: 1589
Difficult to maintain He
Enshroud.

NOTES

canister: 1695
Regulator: 0154

AA_060315
0154

Start 12:00
End ~~14:00~~ 13:20
Start -29.70 in Hg
End -5.60

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P

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV02

PROJECT: 440 WASHINGTON ST	PROJECT NO.: 170361501
LOCATION: NEW YORK NY SV02	SURFACE ELEVATION AND DATUM:
DRILLING FIRM OR LANGAN INSTALLER: AARCO	INSTALLATION DATE STARTED: 2015.06.02 / DATE FINISHED: 2015.06.02
INSTALLATION FOREMAN: Tom Seichel	SAMPLE DATE STARTED: 2015.06.03 / DATE FINISHED: 2015.06.03
INSTALLATION EQUIPMENT: 7730DT Geoprobe	TYPE OF SAMPLING DEVICE: Suma
INSPECTOR: HANNAM	SAMPLER: HANNAM
POTENTIAL SAMPLE INTERFERENCES: nearby geotechnical drilling	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Dry, some cloud, 50-60°F, 30 in Hg
METHOD OF INSTALLATION AND PURGING: Direct push to 5ft, Install, backfill with #2 sand to 3feet, bentonite to surface	
TUBING TYPE/DIAMETER:	TYPE OF MATERIAL ABOVE SEAL: Bentonite to surface
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6"	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):
BOREHOLE DIAMETER: 2"	FILTER PACK MATERIAL (Sand or Glass Beads):

PURGE VOLUME (L):	5 min @ 200ml/min
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.0
HELIUM TEST IN BUCKET(%):	20-31% 5min
HELIUM TEST IN TUBE (PPM):	0 ppm
SAMPLE START DATE/TIME:	13:05
SAMPLE STOP DATE/TIME:	14:05
TOTAL SAMPLE TIME (MIN):	60
FLOW RATE (L/MIN):	200
VOLUME OF SAMPLE (LITERS):	
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	—
CAN SERIAL NUMBER:	1814
REGULATOR SERIAL NUMBER:	0290
CAN START VACUUM PRESS. (" HG):	-30.43 Hg
CAN STOP VACUUM PRESS. (" HG):	-7.07 Hg

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
	Bentonite	
Top of Seal	3feet	
Top of Pack	Sand	
	5feet	

SAMPLE LOCATION SKETCH

SV02_060315

Helium test in Bucket After: 30-31% 5min

Helium test in Tube After: 0 ppm

Canister ID: 1814

NOTES

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SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV03

PROJECT: 440 WASHINGTON ST	PROJECT NO.: 170361501
LOCATION: NEW YORK NY SV03	SURFACE ELEVATION AND DATUM: TBD
DRILLING FIRM OR LANGAN INSTALLER: AARCO	INSTALLATION DATE STARTED: 2015.06.02 / DATE FINISHED: 2015.06.02
INSTALLATION FOREMAN: Tom Seibel	SAMPLE DATE STARTED: 2015.06.03 / DATE FINISHED: 2015.06.03
INSTALLATION EQUIPMENT: 7730 DT Geoprobe	TYPE OF SAMPLING DEVICE: Summa
INSPECTOR: HANNAM	SAMPLER: HANNAM
POTENTIAL SAMPLE INTERFERENCES: Nearby geotechnical drilling	WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Dry, Cloudy, 57° 30.3 in Hg
METHOD OF INSTALLATION AND PURGING: Direct push to 5ft, install, backfill with #2 sand to 3feet, bentonite to surface	
TUBING TYPE/DIAMETER:	TYPE OF MATERIAL ABOVE SEAL: Bentonite to surface
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 6"	SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):
BOREHOLE DIAMETER: 2"	FILTER PACK MATERIAL (Sand or Glass Beads):

PURGE VOLUME (L):	5mins @ 200ml/min
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0.0
HELIUM TEST IN BUCKET(%):	25-26%, 5 min
HELIUM TEST IN TUBE (PPM):	0 ppm
SAMPLE START DATE/TIME:	12:30
SAMPLE STOP DATE/TIME:	14:20
TOTAL SAMPLE TIME (MIN):	110
FLOW RATE (L/MIN):	~~200~~
VOLUME OF SAMPLE (LITERS):	
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	
CAN SERIAL NUMBER:	2048
REGULATOR SERIAL NUMBER:	~~0154~~ 0275
CAN START VACUUM PRESS. (" HG):	-29.90
CAN STOP VACUUM PRESS. (" HG):	-8.04

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE	Bulerik	
Top of Seal	3feet	
Top of Pack	Sand	
SURFACE	5feet	

SAMPLE LOCATION SKETCH

SV03_060315

Helium Test in Bucket After: 20-21%, 5min

Helium Test in Tube After: 0.0 ppm

Canister ID: 2048

NOTES

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV04

PROJECT: 440 Washington St	**PROJECT NO.:** 170361501
LOCATION: SV04	**SURFACE ELEVATION AND DATUM:** TBD
DRILLING FIRM OR LANGAN INSTALLER:	**INSTALLATION DATE STARTED:** 06/02/15 **DATE FINISHED:** 06/02/15
INSTALLATION FOREMAN: Tom Seibel	**SAMPLE DATE STARTED:** 06/03/15 **DATE FINISHED:** 06/03/15
INSTALLATION EQUIPMENT: 7730DT Geoprobe	**TYPE OF SAMPLING DEVICE:** Summa
INSPECTOR: D. Hannam	**SAMPLER:** D. Hannam
POTENTIAL SAMPLE INTERFERENCES:	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):** Dry, cloudy 57° 30.3 in Hg

METHOD OF INSTALLATION AND PURGING:
Direct push to 5 ft, install, backfill with #2 sand to 3 feet, bentonite to surface

TUBING TYPE/DIAMETER:	**TYPE OF MATERIAL ABOVE SEAL:** Bentonite to surface
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 5 feet	**SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.):**
BOREHOLE DIAMETER: 2 inch	**FILTER PACK MATERIAL (Sand or Glass Beads):**

PURGE VOLUME (L):	5 min @ 200 ml/min
PURGE FLOW RATE (ML/MIN):	200
PID AFTER PURGE (PPM):	0
HELIUM TEST IN BUCKET(%):	36-35 5 mins
HELIUM TEST IN TUBE (PPM):	0.0
SAMPLE START DATE/TIME:	~~10:10~~ 11:10
SAMPLE STOP DATE/TIME:	15:10
TOTAL SAMPLE TIME (MIN):	2 hours
FLOW RATE (L/MIN):	200
VOLUME OF SAMPLE (LITERS):	
PID AFTER SAMPLE (PPM):	0.0
SAMPLE MOISTURE CONTENT:	N/A
CAN SERIAL NUMBER:	632
REGULATOR SERIAL NUMBER:	0090
CAN START VACUUM PRESS. (" HG):	-29.76
CAN STOP VACUUM PRESS. (" HG):	-7.55

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
Top of Seal	3 feet of Bentonite	
Top of Pack	2 feet	
	5 feet	

SAMPLE LOCATION SKETCH

Canister 632
Flow controller 0090
SV04_060215
Helium Test in Bucket After: 34-35% 5 min
Helium Test in Tube After: 0 ppm

NOTES

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Appendix G
Groundwater Sampling Logs

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 440 WASHINGTON	Well#/Location: MW01	Job No.	17036150
Date: 2015-06-03	Weather: 57° Cloudy	Sampling Personnel:	HANNAM

Well Information

Sample ID	MW01_060315
Well Depth (ft)	15
Screened Interval (ft)	5-15
Casing Elevation (msl)	TBD
Casing Diameter (in)	2
Depth to Water (ft)	8.85
Water Elevation (msl)	TBD
Casing Volume (gal)	
PID/FID Reading (ppm)	0.0

Purging Information

Purging Method	Grundfos Pump
Purging Rate (l/m; gpm)	0.05 gpm
Start Purge Time	9:15 ST
End Purge Time	10:10
Volume Purged (gal)	3.5

Sampling Information

Sampling Method	Grundfos
Start Sampling Time	10:10
End Sampling Time	11:15
Depth Before Sampling (ft)	8.85
Number Bottles Collected	~30

	Parameters							
Sample Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Depth to Water (ft)	Purged Volume (gallons)
9:30	7.62	5.83	128	2.80	14.28	47	[illegible]	
9:35	7.66	5.73	36.9	1.98	14.62	39		
9:40	7.66	5.72	81.6	4.67	14.98	54		1
9:45	7.65	5.73	34.7	2.65	14.80	36		
9:50	7.66	5.72	12.0	1.81	14.79	37		
9:55	7.70	5.65	4.9	1.78	14.04	39		2
10:00	7.73	5.58	0.4	1.95	14.27	41		
10:05	7.69	5.57	0.0	1.76	14.36	41		2.5

Stability

- PH - ± 0.1 unit
- Specific Conductance - ± 3%
- Temperature - ± 3%
- Dissolved Oxygen - ±10% above 0.5 mg/L
- Turbidity - ± 10% above 5 NTU
- ORP/Eh - ±10 millivolts
- Maximum flow rate - <0.5 L/m or 0.13 gpm
- Maximum drawdown - <0.33 feet

Notes/Remarks

Pump interfered w/interface probe - measured depth at end
Stopped for 9:36-9:39 to find ↗

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 440 WASHINGTON	Well#/Location: MW01	Job No. 17036150	
Date: 2015-06-03	Weather: 50°s, Sunny, some cloud	Sampling Personnel: MAMMAM	

Well Information

Sample ID	MW02_060315
Well Depth (ft)	15 ft
Screened Interval (ft)	10 ft
Casing Elevation (msl)	TBD
Casing Diameter (in)	2-inch
Depth to Water (ft)	9.50
Water Elevation (msl)	TBD
Casing Volume (gal)	
PID/FID Reading (ppm)	0.0

Purging Information

Purging Method	Grundfos
Purging Rate (l/m; gpm)	0.075 gpm
Start Purge Time	12:45
End Purge Time	13:20
Volume Purged (gal)	4.5

Sampling Information

Sampling Method	Grundfos
Start Sampling Time	13:25
End Sampling Time	13:40
Depth Before Sampling (ft)	9.53
Number Bottles Collected	11

	Parameters							
Sample Time	**pH**	**Conductivity (mS/cm)**	**Turbidity (NTU)**	**Dissolved Oxygen (mg/L)**	**Temp (°C)**	**ORP (mV)**	**Depth to Water (ft)**	**Purged Volume (gallons)**
12:50	7.71	4.84	47.8	13.61	14.61	-362		1
12:55	7.69	4.86	13.9	6.73	14.35	-413		
13:00	7.67	4.87	8.7	0.56	14.33	-349		2 3/4
13:05	7.65	4.87	6.4	0.51	14.32	-340		3 1/2
13:10	7.63	4.88	3.3	0.50	14.34	319		4
13:15	7.61	4.89	1.9	0.48	14.30	-312		
13:20	7.61	4.89	0.3	0.47	14.30	-309		4.5

Notes/Remarks

Sulphur-like odor to GW - may be from nearby river or building work.

Grundfos interfering with IP.

Geotechnical drilling ~ 30 feet from hole.

Stability

- pH - ± 0.1 unit
- Specific Conductance - ± 3%
- Temperature - ± 3%
- Dissolved Oxygen - ±10% above 0.5 mg/L
- ± 10% above 5 NTU
- millivolts
- Rate - < 0.5 L/m or 0.13 gpm
- Down - < 0.33 feet

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 440 WASHINGTON	Well#/Location: MW 04	Job No. 17036150	
Date: 2015-06-03	Weather: 60° Sunny	Sampling Personnel: HAANAM	

Well Information

Sample ID	MW04 060315
Well Depth (ft)	~~15~~ 15 feet
Screened Interval (ft)	10ft
Casing Elevation (msl)	TBD
Casing Diameter (in)	2 inch
Depth to Water (ft)	8.35
Water Elevation (msl)	TBD
Casing Volume (gal)	
PID/FID Reading (ppm)	0.0.

Purging Information

Purging Method	Grundfos
Purging Rate (l/m; gpm)	0.09 gpm
Start Purge Time	14:20
End Purge Time	1520
Volume Purged (gal)	5.5.

Sampling Information

Sampling Method	Grundfos
Start Sampling Time	1525
End Sampling Time	15:40
Depth Before Sampling (ft)	8.35
Number Bottles Collected	11

	Parameters							
Sample Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Depth to Water (ft)	Purged Volume (gallons)
1435	7.95	4.67	207	1.98	14.64	-77		
1440	7.89	4.80	72.2	0.87	13.98	-100		2 1/4
1445	7.81	4.70	73.1	0.71	14.54	-101		
1450	7.70	4.71	~~752~~ 52.1	0.73	14.28	-102		
1455	7.68	4.74	12.5	0.74	14.02	-104		3
1500	7.64	4.72	15.6	0.69	13.82	-106		3 1/2
1505	7.68	4.69	7.6	0.68	13.67	-108		
1510	7.63	4.69	5.0	0.67	13.90	-110		
1515	7.61	4.66	1.6	0.62	14.15	-114		5
1520	7.60	4.66	1.5	0.61	14.10	-115		5 1/2

Notes/Remarks

Stability

- **PH - ± 0.1 unit**
- **Specific Conductance - ± 3%**
- **Temperature - ± 3%**
- **Dissolved Oxygen - ±10% above 0.5 mg/L**
- **Turbidity - ± 10% above 5 NTU**
- **ORP/Eh - ±10 millivolts**
- **Maximum flow rate - < 0.5 L/m or 0.13 gpm**
- **Maximum drawdown - < 0.33 feet**

Initially silty.
Unable to take PP readings - grundfos interference

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

GROUND WATER SAMPLE FIELD INFORMATION FORM

Site: 440 WASHINGTON	Well#/Location: MW03	Job No. 17036150	
Date: 2015 · 06 · 03	Weather: 60° Sunny	Sampling Personnel: HANNAM	

Well Information

Sample ID	MW03_060315
Well Depth (ft)	15
Screened Interval (ft)	10 feet
Casing Elevation (msl)	TBD
Casing Diameter (in)	2 inch
Depth to Water (ft)	9.35
Water Elevation (msl)	TBD
Casing Volume (gal)	
PID/FID Reading (ppm)	0.0

Purging Information

Purging Method	Grundfos
Purging Rate (l/m; gpm)	0.079pm
Start Purge Time	16:00
End Purge Time	1650
Volume Purged (gal)	4.25

Sampling Information

Sampling Method	Grundfos
Start Sampling Time	1655
End Sampling Time	1715
Depth Before Sampling (ft)	9.35
Number Bottles Collected	11

	Parameters							
Sample Time	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp (°C)	ORP (mV)	Depth to Water (ft)	Purged Volume (gallons)
16:20	7.68	4.20	200	1.75	15.04	-115		2½
16:25	7.68	4.05	99.7	1.90	16.38	-111		2¼
16:30	7.67	4.13	17.8	1.60	14.70	-110		3
16:35	7.57	4.13	7.7	1.67	14.68	-108		3.5
16:40	7.53	4.13	2.8	1.68	14.72	-108		3.75
16:45	7.50	4.13	2.7	1.66	14.80	-108		4.0
16:50	7.51	4.13	2.8	1.65	14.71	-107		4.25

Notes/Remarks

Stability	
PH - ± 0.1 unit	Silty at start.
Specific Conductance - ± 3%	
Temperature - ± 3%	grundfos out of gas during sampling
Dissolved Oxygen - ±10% above 0.5 mg/L	refil and continue.
Turbidity - ± 10% above 5 NTU	
ORP/Eh - ±10 millivolts	
Maximum flow rate - < 0.5 L/m or 0.13 gpm	
Maximum drawdown - < 0.33 feet	

Remember: Battery Connections - **RED** is **POSITIVE** and **BLACK** is **NEGATIVE**

Appendix H

Laboratory Analytical Data Reports

ANALYTICAL REPORT

Lab Number:	L1508860
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brian Gochenaur
Phone:	(212) 479-5590
Project Name:	440 WASHINGTON STREET
Project Number:	170361501
Report Date:	06/05/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1508860-01	SB01_1.0-2.0	SOIL	MANHATTAN, NY	04/28/15 08:20	04/28/15
L1508860-02	SB02_0.5-1.0	SOIL	MANHATTAN, NY	04/28/15 09:30	04/28/15
L1508860-03	SB03_4.0-5.0	SOIL	MANHATTAN, NY	04/28/15 10:00	04/28/15
L1508860-04	SB04_2.0-3.0	SOIL	MANHATTAN, NY	04/28/15 10:55	04/28/15
L1508860-05	SB05_5.0-6.0	SOIL	MANHATTAN, NY	04/28/15 11:35	04/28/15
L1508860-06	SB06_0.5-1.0	SOIL	MANHATTAN, NY	04/28/15 12:35	04/28/15
L1508860-07	SB07_1.0-2.0	SOIL	MANHATTAN, NY	04/28/15 13:30	04/28/15
L1508860-08	SB08_3.5-4.0	SOIL	MANHATTAN, NY	04/28/15 14:05	04/28/15
L1508860-09	SB08_5.0-5.5	SOIL	MANHATTAN, NY	04/28/15 14:15	04/28/15
L1508860-10	SB08_11.5-12.0	SOIL	MANHATTAN, NY	04/28/15 14:25	04/28/15
L1508860-11	SB08_13.5-14.0	SOIL	MANHATTAN, NY	04/28/15 14:30	04/28/15

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860
Project Number: 170361501 **Report Date:** 06/05/15

Case Narrative (continued)

Report Submission

This report replaces the report issued April 30, 2015. The project name was changed.

A previously-issued final report replaced the partial report issued April 29, 2015, and included the results of all requested analyses.

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

Volatile Organics

L1508860-04: The internal standard (IS) response(s) for 1,4-dichlorobenzene-d4 (44%) was below the acceptance criteria; however, re-analysis achieved similar results: 1,4-dichlorobenzene-d4 (32%). The results of both analyses are reported.

L1508860-08: 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.

L1508860-10 and -11 have elevated detection limits due to the dilutions required by the elevated concentrations of non-target compounds in the samples.

Semivolatile Organics

L1508860-06 and -07: The surrogate recoveries are below the acceptance criteria for 2-fluorophenol (0%), phenol-d6 (0%), nitrobenzene-d5 (0%), 2-fluorobiphenyl (0%), 2,4,6-tribromophenol (0%), and 4-terphenyl-d14 (0%) due to the dilution required to quantitate the sample. Re-extraction was not required; therefore, the results of the original analysis are reported.

PCBs

L1508860-04 and -07RE have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

The surrogate recoveries for L1508860-07 were outside the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (10%,12%) and decachlorobiphenyl (12%,13%); however, re-extraction achieved similar results:

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Case Narrative (continued)

2,4,5,6-tetrachloro-m-xylene (22%,18%) and decachlorobiphenyl (29%,29%). The results of both extractions are reported.

Pesticides

The surrogate recoveries for L1508860-06 are above the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (516%) and decachlorobiphenyl (3730%,3420%). Since the sample was non-detect for all target analytes, re-analysis was not required.

The surrogate recoveries for L1508860-07 are above the acceptance criteria for decachlorobiphenyl (546%,2790%). Since the sample was non-detect for all target analytes, re-analysis was not required.

Metals

L1508860-01 through -11 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG780138-3 Laboratory Duplicate RPD, performed on L1508860-01, is outside the acceptance criteria for mercury (37%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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: 06/05/15

ORGANICS

VOLATILES

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01
Client ID: SB01_1.0-2.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 10:43
Analyst: BN
Percent Solids: 78%

Date Collected: 04/28/15 08:20
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	0.68	1
1,1-Dichloroethane	ND		ug/kg	0.92	0.05	1
Chloroform	ND		ug/kg	0.92	0.23	1
Carbon tetrachloride	ND		ug/kg	0.61	0.13	1
1,2-Dichloropropane	ND		ug/kg	2.2	0.14	1
Dibromochloromethane	ND		ug/kg	0.61	0.09	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.19	1
Tetrachloroethene	ND		ug/kg	0.61	0.09	1
Chlorobenzene	ND		ug/kg	0.61	0.21	1
Trichlorofluoromethane	ND		ug/kg	3.1	0.24	1
1,2-Dichloroethane	ND		ug/kg	0.61	0.07	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.07	1
Bromodichloromethane	ND		ug/kg	0.61	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.61	0.07	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.07	1
1,1-Dichloropropene	ND		ug/kg	3.1	0.09	1
Bromoform	ND		ug/kg	2.4	0.14	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.06	1
Benzene	ND		ug/kg	0.61	0.07	1
Toluene	ND		ug/kg	0.92	0.12	1
Ethylbenzene	ND		ug/kg	0.61	0.08	1
Chloromethane	ND		ug/kg	3.1	0.18	1
Bromomethane	ND		ug/kg	1.2	0.21	1
Vinyl chloride	ND		ug/kg	1.2	0.07	1
Chloroethane	ND		ug/kg	1.2	0.19	1
1,1-Dichloroethene	ND		ug/kg	0.61	0.16	1
trans-1,2-Dichloroethene	ND		ug/kg	0.92	0.13	1
Trichloroethene	ND		ug/kg	0.61	0.08	1
1,2-Dichlorobenzene	ND		ug/kg	3.1	0.09	1
1,3-Dichlorobenzene	ND		ug/kg	3.1	0.08	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01 Date Collected: 04/28/15 08:20

Client ID: SB01_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.1	0.09	1
Methyl tert butyl ether	ND		ug/kg	1.2	0.05	1
p/m-Xylene	ND		ug/kg	1.2	0.12	1
o-Xylene	ND		ug/kg	1.2	0.10	1
cis-1,2-Dichloroethene	ND		ug/kg	0.61	0.09	1
Dibromomethane	ND		ug/kg	6.1	0.10	1
Styrene	ND		ug/kg	1.2	0.25	1
Dichlorodifluoromethane	ND		ug/kg	6.1	0.12	1
Acetone	1.6	J	ug/kg	6.1	0.64	1
Carbon disulfide	ND		ug/kg	6.1	0.68	1
2-Butanone	ND		ug/kg	6.1	0.17	1
Vinyl acetate	ND		ug/kg	6.1	0.08	1
4-Methyl-2-pentanone	ND		ug/kg	6.1	0.15	1
1,2,3-Trichloropropane	ND		ug/kg	6.1	0.10	1
2-Hexanone	ND		ug/kg	6.1	0.41	1
Bromochloromethane	ND		ug/kg	3.1	0.17	1
2,2-Dichloropropane	ND		ug/kg	3.1	0.14	1
1,2-Dibromoethane	ND		ug/kg	2.4	0.11	1
1,3-Dichloropropane	ND		ug/kg	3.1	0.09	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Bromobenzene	ND		ug/kg	3.1	0.13	1
n-Butylbenzene	ND		ug/kg	0.61	0.07	1
sec-Butylbenzene	ND		ug/kg	0.61	0.08	1
tert-Butylbenzene	ND		ug/kg	3.1	0.08	1
o-Chlorotoluene	ND		ug/kg	3.1	0.10	1
p-Chlorotoluene	ND		ug/kg	3.1	0.08	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	0.24	1
Hexachlorobutadiene	ND		ug/kg	3.1	0.14	1
Isopropylbenzene	ND		ug/kg	0.61	0.06	1
p-Isopropyltoluene	ND		ug/kg	0.61	0.08	1
Naphthalene	ND		ug/kg	3.1	0.09	1
Acrylonitrile	ND		ug/kg	6.1	0.32	1
Tert-Butyl Alcohol	ND		ug/kg	37	1.8	1
n-Propylbenzene	ND		ug/kg	0.61	0.07	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.1	0.09	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.1	0.11	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.1	0.09	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.1	0.09	1
Methyl Acetate	ND		ug/kg	12	0.16	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01 Date Collected: 04/28/15 08:20

Client ID: SB01_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	15	5.0	1
Cyclohexane	ND		ug/kg	12	0.09	1
1,4-Dioxane	ND		ug/kg	61	8.9	1
Freon-113	ND		ug/kg	12	0.17	1
p-Diethylbenzene	ND		ug/kg	2.4	0.10	1
p-Ethyltoluene	ND		ug/kg	2.4	0.08	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.08	1
Ethyl ether	0.28	J	ug/kg	3.1	0.16	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.1	0.24	1
Methyl cyclohexane	ND		ug/kg	2.4	0.10	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02
Client ID: SB02_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 09:25
Analyst: BN
Percent Solids: 83%

Date Collected: 04/28/15 09:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	5.1	J	ug/kg	10	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	3.0		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.15	1
Chlorobenzene	ND		ug/kg	1.0	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.12	1
Bromodichloromethane	0.37	J	ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.2	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.11	1
Benzene	0.40	J	ug/kg	1.0	0.12	1
Toluene	4.7		ug/kg	1.6	0.20	1
Ethylbenzene	5.4		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.2	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.33	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	5.2	0.14	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02 Date Collected: 04/28/15 09:30

Client ID: SB02_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.2	0.14	1
Methyl tert butyl ether	0.33	J	ug/kg	2.1	0.09	1
p/m-Xylene	66		ug/kg	2.1	0.21	1
o-Xylene	32		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	7.1	J	ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.2	1
2-Butanone	ND		ug/kg	10	0.29	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.70	1
Bromochloromethane	ND		ug/kg	5.2	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.2	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.2	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.2	0.22	1
n-Butylbenzene	2.4		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.13	1
tert-Butylbenzene	ND		ug/kg	5.2	0.14	1
o-Chlorotoluene	ND		ug/kg	5.2	0.17	1
p-Chlorotoluene	ND		ug/kg	5.2	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.24	1
Isopropylbenzene	1.8		ug/kg	1.0	0.11	1
p-Isopropyltoluene	1.2		ug/kg	1.0	0.13	1
Naphthalene	4.5	J	ug/kg	5.2	0.14	1
Acrylonitrile	ND		ug/kg	10	0.54	1
Tert-Butyl Alcohol	ND		ug/kg	63	3.1	1
n-Propylbenzene	2.9		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.2	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.2	0.19	1
1,3,5-Trimethylbenzene	27		ug/kg	5.2	0.15	1
1,2,4-Trimethylbenzene	49		ug/kg	5.2	0.15	1
Methyl Acetate	ND		ug/kg	21	0.28	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02 Date Collected: 04/28/15 09:30

Client ID: SB02_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	26	8.5	1
Cyclohexane	4.0	J	ug/kg	21	0.15	1
1,4-Dioxane	ND		ug/kg	100	15.	1
Freon-113	ND		ug/kg	21	0.29	1
p-Diethylbenzene	12		ug/kg	4.2	0.17	1
p-Ethyltoluene	29		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	3.3	J	ug/kg	4.2	0.14	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
Methyl cyclohexane	13		ug/kg	4.2	0.16	1
Tentatively Identified Compounds						
Total TIC Compounds	140	J	ug/kg			1
Unknown Cycloalkane	4.4	J	ug/kg			1
Unknown	2.7	J	ug/kg			1
Cyclohexane, ethyl-	4.1	NJ	ug/kg			1
Unknown Benzene	17	J	ug/kg			1
Unknown Benzene	3.7	J	ug/kg			1
Unknown Benzene	26	J	ug/kg			1
Unknown Aromatic	11	J	ug/kg			1
Unknown Aromatic	11	J	ug/kg			1
Unknown Benzene	10	J	ug/kg			1
Unknown Aromatic	8.2	J	ug/kg			1
Unknown Benzene	9.2	J	ug/kg			1
Unknown Aromatic	7.4	J	ug/kg			1
Unknown Aromatic	14	J	ug/kg			1
Unknown Aromatic	4.3	J	ug/kg			1
Unknown Aromatic	5.5	J	ug/kg			1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02 Date Collected: 04/28/15 09:30

Client ID: SB02_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	92		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03
Client ID: SB03_4.0-5.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 11:09
Analyst: BN
Percent Solids: 82%

Date Collected: 04/28/15 10:00
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	5.1	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.10	1
Chloroform	1.7		ug/kg	1.7	0.42	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	4.0	0.26	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.16	1
Chlorobenzene	ND		ug/kg	1.1	0.39	1
Trichlorofluoromethane	ND		ug/kg	5.6	0.44	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.13	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.14	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.6	0.16	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	1.2	J	ug/kg	1.7	0.22	1
Ethylbenzene	0.52	J	ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.6	0.33	1
Bromomethane	ND		ug/kg	2.3	0.38	1
Vinyl chloride	ND		ug/kg	2.3	0.13	1
Chloroethane	ND		ug/kg	2.3	0.36	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.24	1
Trichloroethene	0.28	J	ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.6	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	5.6	0.15	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03 Date Collected: 04/28/15 10:00

Client ID: SB03_4.0-5.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5.6	0.16	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.10	1
p/m-Xylene	3.7		ug/kg	2.3	0.22	1
o-Xylene	1.6	J	ug/kg	2.3	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.3	0.46	1
Dichlorodifluoromethane	ND		ug/kg	11	0.22	1
Acetone	3.6	J	ug/kg	11	1.2	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.31	1
Vinyl acetate	ND		ug/kg	11	0.15	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.28	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.75	1
Bromochloromethane	ND		ug/kg	5.6	0.31	1
2,2-Dichloropropane	ND		ug/kg	5.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	4.5	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.6	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.36	1
Bromobenzene	ND		ug/kg	5.6	0.24	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.14	1
tert-Butylbenzene	ND		ug/kg	5.6	0.15	1
o-Chlorotoluene	ND		ug/kg	5.6	0.18	1
p-Chlorotoluene	ND		ug/kg	5.6	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.6	0.45	1
Hexachlorobutadiene	ND		ug/kg	5.6	0.26	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	0.77	J	ug/kg	5.6	0.16	1
Acrylonitrile	ND		ug/kg	11	0.58	1
Tert-Butyl Alcohol	ND		ug/kg	68	3.3	1
n-Propylbenzene	0.30	J	ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.6	0.17	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.6	0.20	1
1,3,5-Trimethylbenzene	1.7	J	ug/kg	5.6	0.16	1
1,2,4-Trimethylbenzene	2.7	J	ug/kg	5.6	0.16	1
Methyl Acetate	ND		ug/kg	23	0.30	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03 Date Collected: 04/28/15 10:00

Client ID: SB03_4.0-5.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	28	9.1	1
Cyclohexane	0.96	J	ug/kg	23	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
Freon-113	ND		ug/kg	23	0.31	1
p-Diethylbenzene	1.1	J	ug/kg	4.5	0.18	1
p-Ethyltoluene	1.5	J	ug/kg	4.5	0.14	1
1,2,4,5-Tetramethylbenzene	0.24	J	ug/kg	4.5	0.15	1
Ethyl ether	0.74	J	ug/kg	5.6	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	0.44	1
Methyl cyclohexane	4.4	J	ug/kg	4.5	0.17	1
Tentatively Identified Compounds						
Total TIC Compounds	21	J	ug/kg			1
Unknown Cycloalkane	2.6	J	ug/kg			1
Unknown	2.5	J	ug/kg			1
Unknown Alkane	6.4	J	ug/kg			1
Unknown Alkane	5.3	J	ug/kg			1
Unknown Alkane	3.9	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	93		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04
Client ID: SB04_2.0-3.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 10:17
Analyst: BN
Percent Solids: 85%

Date Collected: 04/28/15 10:55
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.7	J	ug/kg	6.7	0.74	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.06	1
Chloroform	0.65	J	ug/kg	1.0	0.25	1
Carbon tetrachloride	ND		ug/kg	0.67	0.14	1
1,2-Dichloropropane	ND		ug/kg	2.3	0.15	1
Dibromochloromethane	ND		ug/kg	0.67	0.10	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.20	1
Tetrachloroethene	ND		ug/kg	0.67	0.09	1
Chlorobenzene	ND		ug/kg	0.67	0.23	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.26	1
1,2-Dichloroethane	ND		ug/kg	0.67	0.08	1
1,1,1-Trichloroethane	ND		ug/kg	0.67	0.07	1
Bromodichloromethane	ND		ug/kg	0.67	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	0.67	0.08	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.08	1
1,1-Dichloropropene	ND		ug/kg	3.3	0.09	1
Bromoform	ND		ug/kg	2.7	0.16	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.07	1
Benzene	ND		ug/kg	0.67	0.08	1
Toluene	0.15	J	ug/kg	1.0	0.13	1
Ethylbenzene	ND		ug/kg	0.67	0.09	1
Chloromethane	ND		ug/kg	3.3	0.20	1
Bromomethane	ND		ug/kg	1.3	0.22	1
Vinyl chloride	ND		ug/kg	1.3	0.08	1
Chloroethane	ND		ug/kg	1.3	0.21	1
1,1-Dichloroethene	ND		ug/kg	0.67	0.17	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
Trichloroethene	ND		ug/kg	0.67	0.08	1
1,2-Dichlorobenzene	ND		ug/kg	3.3	0.10	1
1,3-Dichlorobenzene	ND		ug/kg	3.3	0.09	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 Date Collected: 04/28/15 10:55

Client ID: SB04_2.0-3.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.3	0.09	1
Methyl tert butyl ether	ND		ug/kg	1.3	0.06	1
p/m-Xylene	0.21	J	ug/kg	1.3	0.13	1
o-Xylene	ND		ug/kg	1.3	0.11	1
cis-1,2-Dichloroethene	ND		ug/kg	0.67	0.10	1
Dibromomethane	ND		ug/kg	6.7	0.11	1
Styrene	ND		ug/kg	1.3	0.27	1
Dichlorodifluoromethane	ND		ug/kg	6.7	0.13	1
Acetone	15		ug/kg	6.7	0.69	1
Carbon disulfide	ND		ug/kg	6.7	0.73	1
2-Butanone	ND		ug/kg	6.7	0.18	1
Vinyl acetate	ND		ug/kg	6.7	0.09	1
4-Methyl-2-pentanone	ND		ug/kg	6.7	0.16	1
1,2,3-Trichloropropane	ND		ug/kg	6.7	0.11	1
2-Hexanone	ND		ug/kg	6.7	0.44	1
Bromochloromethane	ND		ug/kg	3.3	0.18	1
2,2-Dichloropropane	ND		ug/kg	3.3	0.15	1
1,2-Dibromoethane	ND		ug/kg	2.7	0.12	1
1,3-Dichloropropane	ND		ug/kg	3.3	0.10	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.21	1
Bromobenzene	ND		ug/kg	3.3	0.14	1
n-Butylbenzene	ND		ug/kg	0.67	0.08	1
sec-Butylbenzene	ND		ug/kg	0.67	0.08	1
tert-Butylbenzene	ND		ug/kg	3.3	0.09	1
o-Chlorotoluene	ND		ug/kg	3.3	0.11	1
p-Chlorotoluene	ND		ug/kg	3.3	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	0.26	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.15	1
Isopropylbenzene	ND		ug/kg	0.67	0.07	1
p-Isopropyltoluene	ND		ug/kg	0.67	0.08	1
Naphthalene	0.15	J	ug/kg	3.3	0.09	1
Acrylonitrile	ND		ug/kg	6.7	0.34	1
Tert-Butyl Alcohol	ND		ug/kg	40	1.9	1
n-Propylbenzene	ND		ug/kg	0.67	0.07	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.3	0.10	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.3	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.3	0.10	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.3	0.09	1
Methyl Acetate	ND		ug/kg	13	0.18	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 Date Collected: 04/28/15 10:55

Client ID: SB04_2.0-3.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	17	5.4	1
Cyclohexane	ND		ug/kg	13	0.10	1
1,4-Dioxane	ND		ug/kg	67	9.6	1
Freon-113	ND		ug/kg	13	0.18	1
p-Diethylbenzene	ND		ug/kg	2.7	0.11	1
p-Ethyltoluene	ND		ug/kg	2.7	0.08	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.09	1
Ethyl ether	2.2	J	ug/kg	3.3	0.17	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.3	0.26	1
Methyl cyclohexane	ND		ug/kg	2.7	0.10	1
Tentatively Identified Compounds						
Total TIC Compounds	6.5	J	ug/kg			1
Unknown Alkane	2.3	J	ug/kg			1
Unknown	2.6	J	ug/kg			1
Tridecane	1.6	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	121		70-130
Dibromofluoromethane	97		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 R
Client ID: SB04_2.0-3.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 11:35
Analyst: BN
Percent Solids: 85%

Date Collected: 04/28/15 10:55
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.8	J	ug/kg	6.9	0.76	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.06	1
Chloroform	0.62	J	ug/kg	1.0	0.26	1
Carbon tetrachloride	ND		ug/kg	0.69	0.14	1
1,2-Dichloropropane	ND		ug/kg	2.4	0.16	1
Dibromochloromethane	ND		ug/kg	0.69	0.10	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.21	1
Tetrachloroethene	ND		ug/kg	0.69	0.10	1
Chlorobenzene	ND		ug/kg	0.69	0.24	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.27	1
1,2-Dichloroethane	ND		ug/kg	0.69	0.08	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.08	1
Bromodichloromethane	ND		ug/kg	0.69	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	0.69	0.08	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.08	1
1,1-Dichloropropene	ND		ug/kg	3.4	0.10	1
Bromoform	ND		ug/kg	2.8	0.16	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.07	1
Benzene	ND		ug/kg	0.69	0.08	1
Toluene	ND		ug/kg	1.0	0.13	1
Ethylbenzene	ND		ug/kg	0.69	0.09	1
Chloromethane	ND		ug/kg	3.4	0.20	1
Bromomethane	ND		ug/kg	1.4	0.23	1
Vinyl chloride	ND		ug/kg	1.4	0.08	1
Chloroethane	ND		ug/kg	1.4	0.22	1
1,1-Dichloroethene	ND		ug/kg	0.69	0.18	1
trans-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
Trichloroethene	ND		ug/kg	0.69	0.09	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.10	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.09	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 R Date Collected: 04/28/15 10:55

Client ID: SB04_2.0-3.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.10	1
Methyl tert butyl ether	ND		ug/kg	1.4	0.06	1
p/m-Xylene	ND		ug/kg	1.4	0.14	1
o-Xylene	ND		ug/kg	1.4	0.12	1
cis-1,2-Dichloroethene	ND		ug/kg	0.69	0.10	1
Dibromomethane	ND		ug/kg	6.9	0.11	1
Styrene	ND		ug/kg	1.4	0.28	1
Dichlorodifluoromethane	ND		ug/kg	6.9	0.13	1
Acetone	13		ug/kg	6.9	0.71	1
Carbon disulfide	ND		ug/kg	6.9	0.76	1
2-Butanone	ND		ug/kg	6.9	0.19	1
Vinyl acetate	ND		ug/kg	6.9	0.09	1
4-Methyl-2-pentanone	ND		ug/kg	6.9	0.17	1
1,2,3-Trichloropropane	ND		ug/kg	6.9	0.11	1
2-Hexanone	ND		ug/kg	6.9	0.46	1
Bromochloromethane	ND		ug/kg	3.4	0.19	1
2,2-Dichloropropane	ND		ug/kg	3.4	0.16	1
1,2-Dibromoethane	ND		ug/kg	2.8	0.12	1
1,3-Dichloropropane	ND		ug/kg	3.4	0.10	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.22	1
Bromobenzene	ND		ug/kg	3.4	0.14	1
n-Butylbenzene	ND		ug/kg	0.69	0.08	1
sec-Butylbenzene	ND		ug/kg	0.69	0.08	1
tert-Butylbenzene	ND		ug/kg	3.4	0.09	1
o-Chlorotoluene	ND		ug/kg	3.4	0.11	1
p-Chlorotoluene	ND		ug/kg	3.4	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	0.27	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.16	1
Isopropylbenzene	ND		ug/kg	0.69	0.07	1
p-Isopropyltoluene	ND		ug/kg	0.69	0.09	1
Naphthalene	0.37	J	ug/kg	3.4	0.10	1
Acrylonitrile	ND		ug/kg	6.9	0.35	1
Tert-Butyl Alcohol	ND		ug/kg	41	2.0	1
n-Propylbenzene	ND		ug/kg	0.69	0.08	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.10	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.12	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.4	0.10	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.4	0.10	1
Methyl Acetate	ND		ug/kg	14	0.19	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 R Date Collected: 04/28/15 10:55

Client ID: SB04_2.0-3.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	17	5.6	1
Cyclohexane	ND		ug/kg	14	0.10	1
1,4-Dioxane	ND		ug/kg	69	9.9	1
Freon-113	ND		ug/kg	14	0.19	1
p-Diethylbenzene	ND		ug/kg	2.8	0.11	1
p-Ethyltoluene	ND		ug/kg	2.8	0.09	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.8	0.09	1
Ethyl ether	1.6	J	ug/kg	3.4	0.18	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	3.4	0.27	1
Methyl cyclohexane	ND		ug/kg	2.8	0.11	1
Tentatively Identified Compounds						
Total TIC Compounds	7.6	J	ug/kg			1
Undecane	2.5	NJ	ug/kg			1
Dodecane	3.1	NJ	ug/kg			1
Unknown Alkane	2.0	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	121		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	99		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05
Client ID: SB05_5.0-6.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 09:45
Analyst: BN
Percent Solids: 86%

Date Collected: 04/28/15 11:35
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.9	J	ug/kg	5.8	0.64	1
1,1-Dichloroethane	ND		ug/kg	0.88	0.05	1
Chloroform	0.69	J	ug/kg	0.88	0.22	1
Carbon tetrachloride	ND		ug/kg	0.58	0.12	1
1,2-Dichloropropane	ND		ug/kg	2.0	0.13	1
Dibromochloromethane	ND		ug/kg	0.58	0.09	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.18	1
Tetrachloroethene	ND		ug/kg	0.58	0.08	1
Chlorobenzene	ND		ug/kg	0.58	0.20	1
Trichlorofluoromethane	ND		ug/kg	2.9	0.23	1
1,2-Dichloroethane	ND		ug/kg	0.58	0.07	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.07	1
Bromodichloromethane	ND		ug/kg	0.58	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.58	0.07	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.07	1
1,1-Dichloropropene	ND		ug/kg	2.9	0.08	1
Bromoform	ND		ug/kg	2.3	0.14	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.06	1
Benzene	ND		ug/kg	0.58	0.07	1
Toluene	ND		ug/kg	0.88	0.11	1
Ethylbenzene	ND		ug/kg	0.58	0.07	1
Chloromethane	ND		ug/kg	2.9	0.17	1
Bromomethane	ND		ug/kg	1.2	0.20	1
Vinyl chloride	ND		ug/kg	1.2	0.07	1
Chloroethane	ND		ug/kg	1.2	0.18	1
1,1-Dichloroethene	ND		ug/kg	0.58	0.15	1
trans-1,2-Dichloroethene	ND		ug/kg	0.88	0.12	1
Trichloroethene	ND		ug/kg	0.58	0.07	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.09	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.08	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05 Date Collected: 04/28/15 11:35

Client ID: SB05_5.0-6.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.08	1
Methyl tert butyl ether	ND		ug/kg	1.2	0.05	1
p/m-Xylene	0.16	J	ug/kg	1.2	0.12	1
o-Xylene	ND		ug/kg	1.2	0.10	1
cis-1,2-Dichloroethene	ND		ug/kg	0.58	0.08	1
Dibromomethane	ND		ug/kg	5.8	0.10	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	5.8	0.11	1
Acetone	ND		ug/kg	5.8	0.60	1
Carbon disulfide	ND		ug/kg	5.8	0.64	1
2-Butanone	ND		ug/kg	5.8	0.16	1
Vinyl acetate	ND		ug/kg	5.8	0.08	1
4-Methyl-2-pentanone	ND		ug/kg	5.8	0.14	1
1,2,3-Trichloropropane	ND		ug/kg	5.8	0.10	1
2-Hexanone	ND		ug/kg	5.8	0.39	1
Bromochloromethane	ND		ug/kg	2.9	0.16	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.13	1
1,2-Dibromoethane	ND		ug/kg	2.3	0.10	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.09	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.18	1
Bromobenzene	ND		ug/kg	2.9	0.12	1
n-Butylbenzene	ND		ug/kg	0.58	0.07	1
sec-Butylbenzene	ND		ug/kg	0.58	0.07	1
tert-Butylbenzene	ND		ug/kg	2.9	0.08	1
o-Chlorotoluene	ND		ug/kg	2.9	0.09	1
p-Chlorotoluene	ND		ug/kg	2.9	0.08	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.23	1
Hexachlorobutadiene	ND		ug/kg	2.9	0.13	1
Isopropylbenzene	ND		ug/kg	0.58	0.06	1
p-Isopropyltoluene	ND		ug/kg	0.58	0.07	1
Naphthalene	ND		ug/kg	2.9	0.08	1
Acrylonitrile	ND		ug/kg	5.8	0.30	1
Tert-Butyl Alcohol	ND		ug/kg	35	1.7	1
n-Propylbenzene	ND		ug/kg	0.58	0.06	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.09	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.11	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.08	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.08	1
Methyl Acetate	ND		ug/kg	12	0.16	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05 Date Collected: 04/28/15 11:35

Client ID: SB05_5.0-6.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	15	4.7	1
Cyclohexane	ND		ug/kg	12	0.09	1
1,4-Dioxane	ND		ug/kg	58	8.4	1
Freon-113	ND		ug/kg	12	0.16	1
p-Diethylbenzene	ND		ug/kg	2.3	0.09	1
p-Ethyltoluene	ND		ug/kg	2.3	0.07	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.08	1
Ethyl ether	0.80	J	ug/kg	2.9	0.15	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	2.9	0.23	1
Methyl cyclohexane	ND		ug/kg	2.3	0.09	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	97		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06 D
Client ID: SB06_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 09:09
Analyst: BN
Percent Solids: 75%

Date Collected: 04/28/15 12:35
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	7700	850	10
1,1-Dichloroethane	ND		ug/kg	1200	66.	10
Chloroform	ND		ug/kg	1200	290	10
Carbon tetrachloride	ND		ug/kg	770	160	10
1,2-Dichloropropane	ND		ug/kg	2700	180	10
Dibromochloromethane	ND		ug/kg	770	120	10
1,1,2-Trichloroethane	ND		ug/kg	1200	240	10
Tetrachloroethene	ND		ug/kg	770	110	10
Chlorobenzene	ND		ug/kg	770	270	10
Trichlorofluoromethane	ND		ug/kg	3900	300	10
1,2-Dichloroethane	ND		ug/kg	770	88.	10
1,1,1-Trichloroethane	ND		ug/kg	770	86.	10
Bromodichloromethane	ND		ug/kg	770	130	10
trans-1,3-Dichloropropene	ND		ug/kg	770	94.	10
cis-1,3-Dichloropropene	ND		ug/kg	770	91.	10
1,1-Dichloropropene	ND		ug/kg	3900	110	10
Bromoform	ND		ug/kg	3100	180	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	770	78.	10
Benzene	ND		ug/kg	770	91.	10
Toluene	400	J	ug/kg	1200	150	10
Ethylbenzene	220	J	ug/kg	770	99.	10
Chloromethane	ND		ug/kg	3900	230	10
Bromomethane	ND		ug/kg	1500	260	10
Vinyl chloride	ND		ug/kg	1500	91.	10
Chloroethane	ND		ug/kg	1500	240	10
1,1-Dichloroethene	ND		ug/kg	770	200	10
trans-1,2-Dichloroethene	ND		ug/kg	1200	160	10
Trichloroethene	ND		ug/kg	770	97.	10
1,2-Dichlorobenzene	ND		ug/kg	3900	120	10
1,3-Dichlorobenzene	ND		ug/kg	3900	100	10

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06 D Date Collected: 04/28/15 12:35

Client ID: SB06_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	3900	110	10
Methyl tert butyl ether	ND		ug/kg	1500	65.	10
p/m-Xylene	700	J	ug/kg	1500	150	10
o-Xylene	290	J	ug/kg	1500	130	10
cis-1,2-Dichloroethene	ND		ug/kg	770	110	10
Dibromomethane	ND		ug/kg	7700	130	10
Styrene	ND		ug/kg	1500	310	10
Dichlorodifluoromethane	ND		ug/kg	7700	150	10
Acetone	ND		ug/kg	7700	800	10
Carbon disulfide	ND		ug/kg	7700	850	10
2-Butanone	ND		ug/kg	7700	210	10
Vinyl acetate	ND		ug/kg	7700	100	10
4-Methyl-2-pentanone	ND		ug/kg	7700	190	10
1,2,3-Trichloropropane	ND		ug/kg	7700	120	10
2-Hexanone	ND		ug/kg	7700	520	10
Bromochloromethane	ND		ug/kg	3900	210	10
2,2-Dichloropropane	ND		ug/kg	3900	180	10
1,2-Dibromoethane	ND		ug/kg	3100	140	10
1,3-Dichloropropane	ND		ug/kg	3900	110	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	770	250	10
Bromobenzene	ND		ug/kg	3900	160	10
n-Butylbenzene	ND		ug/kg	770	89.	10
sec-Butylbenzene	ND		ug/kg	770	94.	10
tert-Butylbenzene	ND		ug/kg	3900	100	10
o-Chlorotoluene	ND		ug/kg	3900	120	10
p-Chlorotoluene	ND		ug/kg	3900	100	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	3900	310	10
Hexachlorobutadiene	ND		ug/kg	3900	180	10
Isopropylbenzene	ND		ug/kg	770	80.	10
p-Isopropyltoluene	ND		ug/kg	770	97.	10
Naphthalene	100000		ug/kg	3900	110	10
Acrylonitrile	ND		ug/kg	7700	400	10
Tert-Butyl Alcohol	ND		ug/kg	46000	2300	10
n-Propylbenzene	ND		ug/kg	770	84.	10
1,2,3-Trichlorobenzene	ND		ug/kg	3900	110	10
1,2,4-Trichlorobenzene	ND		ug/kg	3900	140	10
1,3,5-Trimethylbenzene	280	J	ug/kg	3900	110	10
1,2,4-Trimethylbenzene	690	J	ug/kg	3900	110	10
Methyl Acetate	11000	J	ug/kg	15000	210	10

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06 D Date Collected: 04/28/15 12:35

Client ID: SB06_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	19000	6200	10
Cyclohexane	ND		ug/kg	15000	110	10
1,4-Dioxane	ND		ug/kg	77000	11000	10
Freon-113	ND		ug/kg	15000	210	10
p-Diethylbenzene	310	J	ug/kg	3100	120	10
p-Ethyltoluene	460	J	ug/kg	3100	96.	10
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3100	100	10
Ethyl ether	ND		ug/kg	3900	200	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	3900	300	10
Methyl cyclohexane	ND		ug/kg	3100	120	10
Tentatively Identified Compounds						
Total TIC Compounds	40000	J	ug/kg			10
Unknown	1300	J	ug/kg			10
Unknown Aromatic	1600	J	ug/kg			10
Unknown Aromatic	1700	J	ug/kg			10
Unknown Aromatic	14000	J	ug/kg			10
Unknown Aromatic	7300	J	ug/kg			10
Biphenyl	2000	NJ	ug/kg			10
Unknown Naphthalene	1400	J	ug/kg			10
Unknown Naphthalene	2500	J	ug/kg			10
Unknown Naphthalene	2800	J	ug/kg			10
Unknown Naphthalene	1600	J	ug/kg			10
Acenaphthene	3800	NJ	ug/kg			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07 D
Client ID: SB07_1.0-2.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 09:37
Analyst: BN
Percent Solids: 74%

Date Collected: 04/28/15 13:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16000	1700	20
1,1-Dichloroethane	ND		ug/kg	2300	130	20
Chloroform	ND		ug/kg	2300	580	20
Carbon tetrachloride	ND		ug/kg	1600	330	20
1,2-Dichloropropane	ND		ug/kg	5400	350	20
Dibromochloromethane	ND		ug/kg	1600	240	20
1,1,2-Trichloroethane	ND		ug/kg	2300	470	20
Tetrachloroethene	ND		ug/kg	1600	220	20
Chlorobenzene	ND		ug/kg	1600	540	20
Trichlorofluoromethane	ND		ug/kg	7800	600	20
1,2-Dichloroethane	ND		ug/kg	1600	180	20
1,1,1-Trichloroethane	ND		ug/kg	1600	170	20
Bromodichloromethane	ND		ug/kg	1600	270	20
trans-1,3-Dichloropropene	ND		ug/kg	1600	190	20
cis-1,3-Dichloropropene	ND		ug/kg	1600	180	20
1,1-Dichloropropene	ND		ug/kg	7800	220	20
Bromoform	ND		ug/kg	6200	370	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	1600	160	20
Benzene	ND		ug/kg	1600	180	20
Toluene	380	J	ug/kg	2300	300	20
Ethylbenzene	230	J	ug/kg	1600	200	20
Chloromethane	ND		ug/kg	7800	460	20
Bromomethane	ND		ug/kg	3100	520	20
Vinyl chloride	ND		ug/kg	3100	180	20
Chloroethane	ND		ug/kg	3100	490	20
1,1-Dichloroethene	ND		ug/kg	1600	410	20
trans-1,2-Dichloroethene	ND		ug/kg	2300	330	20
Trichloroethene	ND		ug/kg	1600	190	20
1,2-Dichlorobenzene	ND		ug/kg	7800	240	20
1,3-Dichlorobenzene	ND		ug/kg	7800	210	20

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07 D Date Collected: 04/28/15 13:30

Client ID: SB07_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	7800	220	20
Methyl tert butyl ether	ND		ug/kg	3100	130	20
p/m-Xylene	730	J	ug/kg	3100	310	20
o-Xylene	340	J	ug/kg	3100	270	20
cis-1,2-Dichloroethene	ND		ug/kg	1600	220	20
Dibromomethane	ND		ug/kg	16000	250	20
Styrene	ND		ug/kg	3100	620	20
Dichlorodifluoromethane	ND		ug/kg	16000	300	20
Acetone	ND		ug/kg	16000	1600	20
Carbon disulfide	ND		ug/kg	16000	1700	20
2-Butanone	ND		ug/kg	16000	420	20
Vinyl acetate	ND		ug/kg	16000	200	20
4-Methyl-2-pentanone	ND		ug/kg	16000	380	20
1,2,3-Trichloropropane	ND		ug/kg	16000	250	20
2-Hexanone	ND		ug/kg	16000	1000	20
Bromochloromethane	ND		ug/kg	7800	430	20
2,2-Dichloropropane	ND		ug/kg	7800	350	20
1,2-Dibromoethane	ND		ug/kg	6200	270	20
1,3-Dichloropropane	ND		ug/kg	7800	220	20
1,1,1,2-Tetrachloroethane	ND		ug/kg	1600	490	20
Bromobenzene	ND		ug/kg	7800	320	20
n-Butylbenzene	ND		ug/kg	1600	180	20
sec-Butylbenzene	ND		ug/kg	1600	190	20
tert-Butylbenzene	ND		ug/kg	7800	210	20
o-Chlorotoluene	ND		ug/kg	7800	250	20
p-Chlorotoluene	ND		ug/kg	7800	210	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	7800	620	20
Hexachlorobutadiene	ND		ug/kg	7800	350	20
Isopropylbenzene	ND		ug/kg	1600	160	20
p-Isopropyltoluene	ND		ug/kg	1600	190	20
Naphthalene	210000		ug/kg	7800	220	20
Acrylonitrile	ND		ug/kg	16000	800	20
Tert-Butyl Alcohol	ND		ug/kg	93000	4500	20
n-Propylbenzene	ND		ug/kg	1600	170	20
1,2,3-Trichlorobenzene	ND		ug/kg	7800	230	20
1,2,4-Trichlorobenzene	ND		ug/kg	7800	280	20
1,3,5-Trimethylbenzene	390	J	ug/kg	7800	220	20
1,2,4-Trimethylbenzene	870	J	ug/kg	7800	220	20
Methyl Acetate	96000		ug/kg	31000	420	20

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07 D Date Collected: 04/28/15 13:30

Client ID: SB07_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	39000	12000	20
Cyclohexane	ND		ug/kg	31000	230	20
1,4-Dioxane	ND		ug/kg	160000	22000	20
Freon-113	ND		ug/kg	31000	420	20
p-Diethylbenzene	ND		ug/kg	6200	250	20
p-Ethyltoluene	470	J	ug/kg	6200	190	20
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6200	200	20
Ethyl ether	ND		ug/kg	7800	400	20
trans-1,4-Dichloro-2-butene	ND		ug/kg	7800	610	20
Methyl cyclohexane	ND		ug/kg	6200	240	20
Tentatively Identified Compounds						
Total TIC Compounds	61000	J	ug/kg			20
Unknown	3500	J	ug/kg			20
Unknown Aromatic	24000	J	ug/kg			20
Unknown Aromatic	13000	J	ug/kg			20
Unknown Aromatic	3900	J	ug/kg			20
Unknown Naphthalene	3800	J	ug/kg			20
Unknown Naphthalene	4200	J	ug/kg			20
Unknown	5900	J	ug/kg			20
Dibenzofuran	2800	NJ	ug/kg			20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	93		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08
Client ID: SB08_3.5-4.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 10:04
Analyst: BN
Percent Solids: 84%

Date Collected: 04/28/15 14:05
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	660	73.	1
1,1-Dichloroethane	ND		ug/kg	99	5.7	1
Chloroform	ND		ug/kg	99	24.	1
Carbon tetrachloride	ND		ug/kg	66	14.	1
1,2-Dichloropropane	ND		ug/kg	230	15.	1
Dibromochloromethane	ND		ug/kg	66	10.	1
1,1,2-Trichloroethane	ND		ug/kg	99	20.	1
Tetrachloroethene	ND		ug/kg	66	9.3	1
Chlorobenzene	ND		ug/kg	66	23.	1
Trichlorofluoromethane	ND		ug/kg	330	26.	1
1,2-Dichloroethane	ND		ug/kg	66	7.5	1
1,1,1-Trichloroethane	ND		ug/kg	66	7.3	1
Bromodichloromethane	ND		ug/kg	66	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	66	8.0	1
cis-1,3-Dichloropropene	ND		ug/kg	66	7.8	1
1,1-Dichloropropene	ND		ug/kg	330	9.4	1
Bromoform	ND		ug/kg	260	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	66	6.7	1
Benzene	51	J	ug/kg	66	7.8	1
Toluene	120		ug/kg	99	13.	1
Ethylbenzene	17	J	ug/kg	66	8.4	1
Chloromethane	ND		ug/kg	330	19.	1
Bromomethane	ND		ug/kg	130	22.	1
Vinyl chloride	ND		ug/kg	130	7.8	1
Chloroethane	ND		ug/kg	130	21.	1
1,1-Dichloroethene	ND		ug/kg	66	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	99	14.	1
Trichloroethene	ND		ug/kg	66	8.3	1
1,2-Dichlorobenzene	ND		ug/kg	330	10.	1
1,3-Dichlorobenzene	ND		ug/kg	330	8.9	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08 Date Collected: 04/28/15 14:05

Client ID: SB08_3.5-4.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	330	9.2	1
Methyl tert butyl ether	ND		ug/kg	130	5.6	1
p/m-Xylene	200		ug/kg	130	13.	1
o-Xylene	80	J	ug/kg	130	11.	1
cis-1,2-Dichloroethene	ND		ug/kg	66	9.4	1
Dibromomethane	ND		ug/kg	660	11.	1
Styrene	ND		ug/kg	130	27.	1
Dichlorodifluoromethane	ND		ug/kg	660	13.	1
Acetone	ND		ug/kg	660	69.	1
Carbon disulfide	ND		ug/kg	660	73.	1
2-Butanone	ND		ug/kg	660	18.	1
Vinyl acetate	ND		ug/kg	660	8.8	1
4-Methyl-2-pentanone	ND		ug/kg	660	16.	1
1,2,3-Trichloropropane	ND		ug/kg	660	11.	1
2-Hexanone	ND		ug/kg	660	44.	1
Bromochloromethane	ND		ug/kg	330	18.	1
2,2-Dichloropropane	ND		ug/kg	330	15.	1
1,2-Dibromoethane	ND		ug/kg	260	12.	1
1,3-Dichloropropane	ND		ug/kg	330	9.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	66	21.	1
Bromobenzene	ND		ug/kg	330	14.	1
n-Butylbenzene	23	J	ug/kg	66	7.6	1
sec-Butylbenzene	13	J	ug/kg	66	8.1	1
tert-Butylbenzene	ND		ug/kg	330	9.0	1
o-Chlorotoluene	ND		ug/kg	330	10.	1
p-Chlorotoluene	ND		ug/kg	330	8.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	26.	1
Hexachlorobutadiene	ND		ug/kg	330	15.	1
Isopropylbenzene	ND		ug/kg	66	6.9	1
p-Isopropyltoluene	25	J	ug/kg	66	8.3	1
Naphthalene	180	J	ug/kg	330	9.2	1
Acrylonitrile	ND		ug/kg	660	34.	1
Tert-Butyl Alcohol	ND		ug/kg	4000	190	1
n-Propylbenzene	24	J	ug/kg	66	7.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	330	9.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	330	12.	1
1,3,5-Trimethylbenzene	120	J	ug/kg	330	9.5	1
1,2,4-Trimethylbenzene	220	J	ug/kg	330	9.4	1
Methyl Acetate	ND		ug/kg	1300	18.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08 Date Collected: 04/28/15 14:05

Client ID: SB08_3.5-4.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	1600	530	1
Cyclohexane	71	J	ug/kg	1300	9.7	1
1,4-Dioxane	ND		ug/kg	6600	960	1
Freon-113	ND		ug/kg	1300	18.	1
p-Diethylbenzene	210	J	ug/kg	260	10.	1
p-Ethyltoluene	150	J	ug/kg	260	8.2	1
1,2,4,5-Tetramethylbenzene	52	J	ug/kg	260	8.6	1
Ethyl ether	ND		ug/kg	330	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	330	26.	1
Methyl cyclohexane	360		ug/kg	260	10.	1
Tentatively Identified Compounds						
Total TIC Compounds	8000	J	ug/kg			1
Octane	590	NJ	ug/kg			1
Nonane	790	NJ	ug/kg			1
Unknown	400	J	ug/kg			1
Decane	1000	NJ	ug/kg			1
Decane, 4-methyl-	300	NJ	ug/kg			1
Unknown Alkane	1300	J	ug/kg			1
Unknown	510	J	ug/kg			1
Unknown Aromatic	310	J	ug/kg			1
Unknown Benzene	330	J	ug/kg			1
Unknown	300	J	ug/kg			1
Unknown	360	J	ug/kg			1
Unknown	470	J	ug/kg			1
Unknown Alkane	470	J	ug/kg			1
Unknown	340	J	ug/kg			1
Unknown	520	J	ug/kg			1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08 Date Collected: 04/28/15 14:05

Client ID: SB08_3.5-4.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	88		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09
Client ID: SB08_5.0-5.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 09:06
Analyst: BN
Percent Solids: 88%

Date Collected: 04/28/15 14:15
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	610	68.	1
1,1-Dichloroethane	ND		ug/kg	92	5.3	1
Chloroform	ND		ug/kg	92	23.	1
Carbon tetrachloride	ND		ug/kg	61	13.	1
1,2-Dichloropropane	ND		ug/kg	220	14.	1
Dibromochloromethane	ND		ug/kg	61	9.4	1
1,1,2-Trichloroethane	ND		ug/kg	92	19.	1
Tetrachloroethene	ND		ug/kg	61	8.6	1
Chlorobenzene	ND		ug/kg	61	21.	1
Trichlorofluoromethane	ND		ug/kg	310	24.	1
1,2-Dichloroethane	ND		ug/kg	61	7.0	1
1,1,1-Trichloroethane	ND		ug/kg	61	6.8	1
Bromodichloromethane	ND		ug/kg	61	11.	1
trans-1,3-Dichloropropene	ND		ug/kg	61	7.4	1
cis-1,3-Dichloropropene	ND		ug/kg	61	7.2	1
1,1-Dichloropropene	ND		ug/kg	310	8.7	1
Bromoform	ND		ug/kg	240	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	61	6.2	1
Benzene	35	J	ug/kg	61	7.2	1
Toluene	96		ug/kg	92	12.	1
Ethylbenzene	ND		ug/kg	61	7.8	1
Chloromethane	ND		ug/kg	310	18.	1
Bromomethane	ND		ug/kg	120	21.	1
Vinyl chloride	ND		ug/kg	120	7.2	1
Chloroethane	ND		ug/kg	120	19.	1
1,1-Dichloroethene	ND		ug/kg	61	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	92	13.	1
Trichloroethene	ND		ug/kg	61	7.7	1
1,2-Dichlorobenzene	ND		ug/kg	310	9.4	1
1,3-Dichlorobenzene	ND		ug/kg	310	8.3	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09 Date Collected: 04/28/15 14:15

Client ID: SB08_5.0-5.5 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	310	8.5	1
Methyl tert butyl ether	ND		ug/kg	120	5.2	1
p/m-Xylene	110	J	ug/kg	120	12.	1
o-Xylene	39	J	ug/kg	120	10.	1
cis-1,2-Dichloroethene	ND		ug/kg	61	8.8	1
Dibromomethane	ND		ug/kg	610	10.	1
Styrene	ND		ug/kg	120	25.	1
Dichlorodifluoromethane	ND		ug/kg	610	12.	1
Acetone	130	J	ug/kg	610	64.	1
Carbon disulfide	ND		ug/kg	610	68.	1
2-Butanone	ND		ug/kg	610	17.	1
Vinyl acetate	ND		ug/kg	610	8.1	1
4-Methyl-2-pentanone	ND		ug/kg	610	15.	1
1,2,3-Trichloropropane	ND		ug/kg	610	10.	1
2-Hexanone	ND		ug/kg	610	41.	1
Bromochloromethane	ND		ug/kg	310	17.	1
2,2-Dichloropropane	ND		ug/kg	310	14.	1
1,2-Dibromoethane	ND		ug/kg	240	11.	1
1,3-Dichloropropane	ND		ug/kg	310	8.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	61	20.	1
Bromobenzene	ND		ug/kg	310	13.	1
n-Butylbenzene	ND		ug/kg	61	7.0	1
sec-Butylbenzene	ND		ug/kg	61	7.5	1
tert-Butylbenzene	ND		ug/kg	310	8.3	1
o-Chlorotoluene	ND		ug/kg	310	9.8	1
p-Chlorotoluene	ND		ug/kg	310	8.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	310	24.	1
Hexachlorobutadiene	ND		ug/kg	310	14.	1
Isopropylbenzene	ND		ug/kg	61	6.4	1
p-Isopropyltoluene	22	J	ug/kg	61	7.7	1
Naphthalene	200	J	ug/kg	310	8.5	1
Acrylonitrile	ND		ug/kg	610	32.	1
Tert-Butyl Alcohol	ND		ug/kg	3700	180	1
n-Propylbenzene	ND		ug/kg	61	6.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	310	9.1	1
1,2,4-Trichlorobenzene	ND		ug/kg	310	11.	1
1,3,5-Trimethylbenzene	96	J	ug/kg	310	8.8	1
1,2,4-Trimethylbenzene	150	J	ug/kg	310	8.7	1
Methyl Acetate	ND		ug/kg	1200	16.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09 Date Collected: 04/28/15 14:15

Client ID: SB08_5.0-5.5 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	1500	500	1
Cyclohexane	ND		ug/kg	1200	9.0	1
1,4-Dioxane	ND		ug/kg	6100	890	1
Freon-113	ND		ug/kg	1200	17.	1
p-Diethylbenzene	510		ug/kg	240	9.8	1
p-Ethyltoluene	63	J	ug/kg	240	7.6	1
1,2,4,5-Tetramethylbenzene	140	J	ug/kg	240	8.0	1
Ethyl ether	ND		ug/kg	310	16.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	24.	1
Methyl cyclohexane	36	J	ug/kg	240	9.5	1
Tentatively Identified Compounds						
Total TIC Compounds	12000	J	ug/kg			1
Decane	1000	NJ	ug/kg			1
Decane, 4-methyl-	740	NJ	ug/kg			1
Unknown	460	J	ug/kg			1
Unknown	440	J	ug/kg			1
Unknown Alkane	450	J	ug/kg			1
Decane, 3-methyl-	520	NJ	ug/kg			1
Unknown Naphthalene	550	J	ug/kg			1
Undecane	2800	NJ	ug/kg			1
Unknown Benzene	640	J	ug/kg			1
Unknown Cyclohexanone	800	J	ug/kg			1
Unknown Naphthalene	740	J	ug/kg			1
Unknown Alkane	860	J	ug/kg			1
Unknown	640	J	ug/kg			1
Unknown	460	J	ug/kg			1
Unknown Benzene	560	J	ug/kg			1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09 Date Collected: 04/28/15 14:15

Client ID: SB08_5.0-5.5 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10 D
Client ID: SB08_11.5-12.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 09:33
Analyst: BN
Percent Solids: 80%

Date Collected: 04/28/15 14:25
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11000	1200	25
1,1-Dichloroethane	ND		ug/kg	1600	94.	25
Chloroform	ND		ug/kg	1600	410	25
Carbon tetrachloride	ND		ug/kg	1100	230	25
1,2-Dichloropropane	ND		ug/kg	3800	250	25
Dibromochloromethane	ND		ug/kg	1100	170	25
1,1,2-Trichloroethane	ND		ug/kg	1600	330	25
Tetrachloroethene	ND		ug/kg	1100	150	25
Chlorobenzene	ND		ug/kg	1100	380	25
Trichlorofluoromethane	ND		ug/kg	5500	430	25
1,2-Dichloroethane	ND		ug/kg	1100	120	25
1,1,1-Trichloroethane	ND		ug/kg	1100	120	25
Bromodichloromethane	ND		ug/kg	1100	190	25
trans-1,3-Dichloropropene	ND		ug/kg	1100	130	25
cis-1,3-Dichloropropene	ND		ug/kg	1100	130	25
1,1-Dichloropropene	ND		ug/kg	5500	160	25
Bromoform	ND		ug/kg	4400	260	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	1100	110	25
Benzene	ND		ug/kg	1100	130	25
Toluene	ND		ug/kg	1600	210	25
Ethylbenzene	ND		ug/kg	1100	140	25
Chloromethane	ND		ug/kg	5500	320	25
Bromomethane	ND		ug/kg	2200	370	25
Vinyl chloride	ND		ug/kg	2200	130	25
Chloroethane	ND		ug/kg	2200	350	25
1,1-Dichloroethene	ND		ug/kg	1100	290	25
trans-1,2-Dichloroethene	ND		ug/kg	1600	230	25
Trichloroethene	ND		ug/kg	1100	140	25
1,2-Dichlorobenzene	ND		ug/kg	5500	170	25
1,3-Dichlorobenzene	ND		ug/kg	5500	150	25

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10 D Date Collected: 04/28/15 14:25

Client ID: SB08_11.5-12.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	5500	150	25
Methyl tert butyl ether	ND		ug/kg	2200	93.	25
p/m-Xylene	ND		ug/kg	2200	220	25
o-Xylene	ND		ug/kg	2200	190	25
cis-1,2-Dichloroethene	ND		ug/kg	1100	160	25
Dibromomethane	ND		ug/kg	11000	180	25
Styrene	ND		ug/kg	2200	440	25
Dichlorodifluoromethane	ND		ug/kg	11000	210	25
Acetone	ND		ug/kg	11000	1100	25
Carbon disulfide	ND		ug/kg	11000	1200	25
2-Butanone	ND		ug/kg	11000	300	25
Vinyl acetate	ND		ug/kg	11000	140	25
4-Methyl-2-pentanone	ND		ug/kg	11000	270	25
1,2,3-Trichloropropane	ND		ug/kg	11000	180	25
2-Hexanone	ND		ug/kg	11000	730	25
Bromochloromethane	ND		ug/kg	5500	300	25
2,2-Dichloropropane	ND		ug/kg	5500	250	25
1,2-Dibromoethane	ND		ug/kg	4400	190	25
1,3-Dichloropropane	ND		ug/kg	5500	160	25
1,1,1,2-Tetrachloroethane	ND		ug/kg	1100	350	25
Bromobenzene	ND		ug/kg	5500	230	25
n-Butylbenzene	ND		ug/kg	1100	130	25
sec-Butylbenzene	1900		ug/kg	1100	130	25
tert-Butylbenzene	340	J	ug/kg	5500	150	25
o-Chlorotoluene	ND		ug/kg	5500	180	25
p-Chlorotoluene	ND		ug/kg	5500	150	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	5500	440	25
Hexachlorobutadiene	ND		ug/kg	5500	250	25
Isopropylbenzene	ND		ug/kg	1100	110	25
p-Isopropyltoluene	ND		ug/kg	1100	140	25
Naphthalene	ND		ug/kg	5500	150	25
Acrylonitrile	ND		ug/kg	11000	560	25
Tert-Butyl Alcohol	ND		ug/kg	66000	3200	25
n-Propylbenzene	ND		ug/kg	1100	120	25
1,2,3-Trichlorobenzene	ND		ug/kg	5500	160	25
1,2,4-Trichlorobenzene	ND		ug/kg	5500	200	25
1,3,5-Trimethylbenzene	ND		ug/kg	5500	160	25
1,2,4-Trimethylbenzene	ND		ug/kg	5500	160	25
Methyl Acetate	ND		ug/kg	22000	300	25

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10 D Date Collected: 04/28/15 14:25

Client ID: SB08_11.5-12.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	28000	8900	25
Cyclohexane	ND		ug/kg	22000	160	25
1,4-Dioxane	ND		ug/kg	110000	16000	25
Freon-113	ND		ug/kg	22000	300	25
p-Diethylbenzene	1100	J	ug/kg	4400	180	25
p-Ethyltoluene	ND		ug/kg	4400	140	25
1,2,4,5-Tetramethylbenzene	2500	J	ug/kg	4400	140	25
Ethyl ether	ND		ug/kg	5500	290	25
trans-1,4-Dichloro-2-butene	ND		ug/kg	5500	430	25
Methyl cyclohexane	2600	J	ug/kg	4400	170	25
Tentatively Identified Compounds						
Total TIC Compounds	240000	J	ug/kg			25
Unknown Cycloalkane	22000	J	ug/kg			25
Unknown Cycloalkane	41000	J	ug/kg			25
Unknown Alkane	9000	J	ug/kg			25
Unknown Alkane	6700	J	ug/kg			25
Unknown Cycloalkane	11000	J	ug/kg			25
Unknown Cycloalkane	13000	J	ug/kg			25
Unknown	10000	J	ug/kg			25
Unknown	19000	J	ug/kg			25
Unknown Alkane	24000	J	ug/kg			25
Cyclohexane, propyl-	16000	NJ	ug/kg			25
Unknown	7500	J	ug/kg			25
Unknown	8200	J	ug/kg			25
Decane, 4-methyl-	21000	NJ	ug/kg			25
Unknown	19000	J	ug/kg			25
Unknown Alkane	13000	J	ug/kg			25

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10 D Date Collected: 04/28/15 14:25

Client ID: SB08_11.5-12.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	127		70-130
Dibromofluoromethane	99		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11 D
Client ID: SB08_13.5-14.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/29/15 09:59
Analyst: BN
Percent Solids: 82%

Date Collected: 04/28/15 14:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	5100	570	10
1,1-Dichloroethane	ND		ug/kg	770	44.	10
Chloroform	ND		ug/kg	770	190	10
Carbon tetrachloride	ND		ug/kg	510	110	10
1,2-Dichloropropane	ND		ug/kg	1800	120	10
Dibromochloromethane	ND		ug/kg	510	79.	10
1,1,2-Trichloroethane	ND		ug/kg	770	160	10
Tetrachloroethene	ND		ug/kg	510	72.	10
Chlorobenzene	ND		ug/kg	510	180	10
Trichlorofluoromethane	ND		ug/kg	2600	200	10
1,2-Dichloroethane	ND		ug/kg	510	58.	10
1,1,1-Trichloroethane	ND		ug/kg	510	57.	10
Bromodichloromethane	ND		ug/kg	510	89.	10
trans-1,3-Dichloropropene	ND		ug/kg	510	62.	10
cis-1,3-Dichloropropene	ND		ug/kg	510	60.	10
1,1-Dichloropropene	ND		ug/kg	2600	73.	10
Bromoform	ND		ug/kg	2000	120	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	510	52.	10
Benzene	ND		ug/kg	510	61.	10
Toluene	ND		ug/kg	770	100	10
Ethylbenzene	ND		ug/kg	510	66.	10
Chloromethane	ND		ug/kg	2600	150	10
Bromomethane	ND		ug/kg	1000	170	10
Vinyl chloride	ND		ug/kg	1000	60.	10
Chloroethane	ND		ug/kg	1000	160	10
1,1-Dichloroethene	ND		ug/kg	510	130	10
trans-1,2-Dichloroethene	ND		ug/kg	770	110	10
Trichloroethene	ND		ug/kg	510	64.	10
1,2-Dichlorobenzene	ND		ug/kg	2600	79.	10
1,3-Dichlorobenzene	ND		ug/kg	2600	69.	10

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11 D Date Collected: 04/28/15 14:30

Client ID: SB08_13.5-14.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	2600	71.	10
Methyl tert butyl ether	ND		ug/kg	1000	43.	10
p/m-Xylene	ND		ug/kg	1000	100	10
o-Xylene	ND		ug/kg	1000	88.	10
cis-1,2-Dichloroethene	ND		ug/kg	510	73.	10
Dibromomethane	ND		ug/kg	5100	84.	10
Styrene	ND		ug/kg	1000	210	10
Dichlorodifluoromethane	ND		ug/kg	5100	98.	10
Acetone	ND		ug/kg	5100	530	10
Carbon disulfide	ND		ug/kg	5100	570	10
2-Butanone	ND		ug/kg	5100	140	10
Vinyl acetate	ND		ug/kg	5100	68.	10
4-Methyl-2-pentanone	ND		ug/kg	5100	120	10
1,2,3-Trichloropropane	ND		ug/kg	5100	84.	10
2-Hexanone	ND		ug/kg	5100	340	10
Bromochloromethane	ND		ug/kg	2600	140	10
2,2-Dichloropropane	ND		ug/kg	2600	120	10
1,2-Dibromoethane	ND		ug/kg	2000	90.	10
1,3-Dichloropropane	ND		ug/kg	2600	75.	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	510	160	10
Bromobenzene	ND		ug/kg	2600	110	10
n-Butylbenzene	ND		ug/kg	510	59.	10
sec-Butylbenzene	780		ug/kg	510	63.	10
tert-Butylbenzene	ND		ug/kg	2600	70.	10
o-Chlorotoluene	ND		ug/kg	2600	82.	10
p-Chlorotoluene	ND		ug/kg	2600	68.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	2600	200	10
Hexachlorobutadiene	ND		ug/kg	2600	120	10
Isopropylbenzene	ND		ug/kg	510	53.	10
p-Isopropyltoluene	ND		ug/kg	510	64.	10
Naphthalene	ND		ug/kg	2600	71.	10
Acrylonitrile	ND		ug/kg	5100	260	10
Tert-Butyl Alcohol	ND		ug/kg	31000	1500	10
n-Propylbenzene	ND		ug/kg	510	56.	10
1,2,3-Trichlorobenzene	ND		ug/kg	2600	76.	10
1,2,4-Trichlorobenzene	ND		ug/kg	2600	94.	10
1,3,5-Trimethylbenzene	ND		ug/kg	2600	74.	10
1,2,4-Trimethylbenzene	ND		ug/kg	2600	73.	10
Methyl Acetate	ND		ug/kg	10000	140	10

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11 D Date Collected: 04/28/15 14:30

Client ID: SB08_13.5-14.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	13000	4100	10
Cyclohexane	ND		ug/kg	10000	75.	10
1,4-Dioxane	ND		ug/kg	51000	7400	10
Freon-113	ND		ug/kg	10000	140	10
p-Diethylbenzene	ND		ug/kg	2000	82.	10
p-Ethyltoluene	ND		ug/kg	2000	64.	10
1,2,4,5-Tetramethylbenzene	890	J	ug/kg	2000	67.	10
Ethyl ether	ND		ug/kg	2600	130	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	2600	200	10
Methyl cyclohexane	2100		ug/kg	2000	80.	10
Tentatively Identified Compounds						
Total TIC Compounds	140000	J	ug/kg			10
Unknown Cycloalkane	16000	J	ug/kg			10
Unknown Cycloalkane	25000	J	ug/kg			10
Unknown Alkane	5100	J	ug/kg			10
Unknown Alkane	3800	J	ug/kg			10
Unknown Cycloalkane	6100	J	ug/kg			10
Unknown Cycloalkane	7600	J	ug/kg			10
Unknown	5300	J	ug/kg			10
Unknown	10000	J	ug/kg			10
Octane, 2,6-dimethyl-	12000	NJ	ug/kg			10
Cyclohexane, propyl-	8300	NJ	ug/kg			10
Unknown	4200	J	ug/kg			10
Decane, 4-methyl-	9100	NJ	ug/kg			10
Unknown	9600	J	ug/kg			10
Unknown	8200	J	ug/kg			10
Unknown Benzene	8600	J	ug/kg			10

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11 D Date Collected: 04/28/15 14:30

Client ID: SB08_13.5-14.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by 8260/5035 - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	128		70-130
Dibromofluoromethane	99		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG780274-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG780274-3					
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	120	J	ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG780274-3					
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:42
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06-08 Batch: WG780274-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09-11 Batch: WG780285-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	14	J	ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09-11 Batch: WG780285-3					
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	120	J	ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09-11 Batch: WG780285-3					
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:40
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 09-11 Batch: WG780285-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	102		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG780287-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG780287-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.2	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG780287-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:34
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01-04 Batch: WG780287-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	87		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG780293-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG780293-3					
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG780293-3					
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/29/15 08:45
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 05 Batch: WG780293-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG780274-1 WG780274-2								
Methylene chloride	84		80		70-130	5		30
1,1-Dichloroethane	89		83		70-130	7		30
Chloroform	85		79		70-130	7		30
Carbon tetrachloride	83		76		70-130	9		30
1,2-Dichloropropane	94		89		70-130	5		30
Dibromochloromethane	93		90		70-130	3		30
1,1,2-Trichloroethane	100		96		70-130	4		30
Tetrachloroethene	110		101		70-130	9		30
Chlorobenzene	104		99		70-130	5		30
Trichlorofluoromethane	**45**	Q	**41**	Q	70-139	9		30
1,2-Dichloroethane	87		83		70-130	5		30
1,1,1-Trichloroethane	87		80		70-130	8		30
Bromodichloromethane	84		79		70-130	6		30
trans-1,3-Dichloropropene	94		90		70-130	4		30
cis-1,3-Dichloropropene	87		82		70-130	6		30
1,1-Dichloropropene	85		79		70-130	7		30
Bromoform	99		95		70-130	4		30
1,1,2,2-Tetrachloroethane	98		96		70-130	2		30
Benzene	90		83		70-130	8		30
Toluene	103		97		70-130	6		30
Ethylbenzene	100		94		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG780274-1 WG780274-2								
Chloromethane	116		107		52-130	8		30
Bromomethane	**43**	Q	**39**	Q	57-147	10		30
Vinyl chloride	**62**	Q	**56**	Q	67-130	10		30
Chloroethane	**35**	Q	**31**	Q	50-151	12		30
1,1-Dichloroethene	88		81		65-135	8		30
trans-1,2-Dichloroethene	90		83		70-130	8		30
Trichloroethene	92		85		70-130	8		30
1,2-Dichlorobenzene	105		100		70-130	5		30
1,3-Dichlorobenzene	108		102		70-130	6		30
1,4-Dichlorobenzene	105		100		70-130	5		30
Methyl tert butyl ether	79		76		66-130	4		30
p/m-Xylene	102		96		70-130	6		30
o-Xylene	101		96		70-130	5		30
cis-1,2-Dichloroethene	92		86		70-130	7		30
Dibromomethane	86		81		70-130	6		30
Styrene	100		94		70-130	6		30
Dichlorodifluoromethane	131		118		30-146	10		30
Acetone	113		105		54-140	7		30
Carbon disulfide	85		78		59-130	9		30
2-Butanone	110		105		70-130	5		30
Vinyl acetate	107		102		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG780274-1 WG780274-2								
4-Methyl-2-pentanone	89		87		70-130	2		30
1,2,3-Trichloropropane	97		90		68-130	7		30
2-Hexanone	101		101		70-130	0		30
Bromochloromethane	97		91		70-130	6		30
2,2-Dichloropropane	89		81		70-130	9		30
1,2-Dibromoethane	99		96		70-130	3		30
1,3-Dichloropropane	96		93		69-130	3		30
1,1,1,2-Tetrachloroethane	99		96		70-130	3		30
Bromobenzene	104		98		70-130	6		30
n-Butylbenzene	107		100		70-130	7		30
sec-Butylbenzene	106		98		70-130	8		30
tert-Butylbenzene	103		97		70-130	6		30
o-Chlorotoluene	106		100		70-130	6		30
p-Chlorotoluene	105		99		70-130	6		30
1,2-Dibromo-3-chloropropane	94		92		68-130	2		30
Hexachlorobutadiene	101		94		67-130	7		30
Isopropylbenzene	103		96		70-130	7		30
p-Isopropyltoluene	105		98		70-130	7		30
Naphthalene	97		94		70-130	3		30
Acrylonitrile	110		102		70-130	8		30
Diisopropyl Ether	97		92		66-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG780274-1 WG780274-2								
Tert-Butyl Alcohol	90		91		70-130	1		30
n-Propylbenzene	104		97		70-130	7		30
1,2,3-Trichlorobenzene	105		102		70-130	3		30
1,2,4-Trichlorobenzene	106		100		70-130	6		30
1,3,5-Trimethylbenzene	108		101		70-130	7		30
1,2,4-Trimethylbenzene	106		100		70-130	6		30
Methyl Acetate	92		90		51-146	2		30
Ethyl Acetate	98		97		70-130	1		30
Acrolein	78		76		70-130	3		30
Cyclohexane	106		97		59-142	9		30
1,4-Dioxane	83		85		65-136	2		30
Freon-113	84		77		50-139	9		30
p-Diethylbenzene	104		97		70-130	7		30
p-Ethyltoluene	105		98		70-130	7		30
1,2,4,5-Tetramethylbenzene	99		95		70-130	4		30
Tetrahydrofuran	103		102		66-130	1		30
Ethyl ether	**54**	Q	68		67-130	23		30
trans-1,4-Dichloro-2-butene	107		104		70-130	3		30
Methyl cyclohexane	90		82		70-130	9		30
Ethyl-Tert-Butyl-Ether	91		86		70-130	6		30
Tertiary-Amyl Methyl Ether	81		78		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06-08 Batch: WG780274-1 WG780274-2								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		92		70-130
Toluene-d8	107		109		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	91		90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-11 Batch: WG780285-1 WG780285-2								
Methylene chloride	97		97		70-130	0		30
1,1-Dichloroethane	99		99		70-130	0		30
Chloroform	98		100		70-130	2		30
Carbon tetrachloride	104		103		70-130	1		30
1,2-Dichloropropane	98		100		70-130	2		30
Dibromochloromethane	98		99		70-130	1		30
2-Chloroethylvinyl ether	**152**	Q	**161**	Q	70-130	6		30
1,1,2-Trichloroethane	97		100		70-130	3		30
Tetrachloroethene	109		106		70-130	3		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	113		112		70-139	1		30
1,2-Dichloroethane	96		97		70-130	1		30
1,1,1-Trichloroethane	105		103		70-130	2		30
Bromodichloromethane	99		101		70-130	2		30
trans-1,3-Dichloropropene	98		99		70-130	1		30
cis-1,3-Dichloropropene	100		102		70-130	2		30
1,1-Dichloropropene	105		103		70-130	2		30
Bromoform	93		96		70-130	3		30
1,1,2,2-Tetrachloroethane	91		94		70-130	3		30
Benzene	100		100		70-130	0		30
Toluene	101		99		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-11 Batch: WG780285-1 WG780285-2								
Ethylbenzene	102		101		70-130	1		30
Chloromethane	76		80		52-130	5		30
Bromomethane	87		91		57-147	4		30
Vinyl chloride	100		94		67-130	6		30
Chloroethane	104		103		50-151	1		30
1,1-Dichloroethene	112		110		65-135	2		30
trans-1,2-Dichloroethene	103		101		70-130	2		30
Trichloroethene	102		100		70-130	2		30
1,2-Dichlorobenzene	98		100		70-130	2		30
1,3-Dichlorobenzene	99		99		70-130	0		30
1,4-Dichlorobenzene	99		100		70-130	1		30
Methyl tert butyl ether	97		100		66-130	3		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	102		101		70-130	1		30
cis-1,2-Dichloroethene	101		102		70-130	1		30
Dibromomethane	97		100		70-130	3		30
Styrene	104		104		70-130	0		30
Dichlorodifluoromethane	73		70		30-146	4		30
Acetone	116		117		54-140	1		30
Carbon disulfide	103		100		59-130	3		30
2-Butanone	91		92		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-11 Batch: WG780285-1 WG780285-2								
Vinyl acetate	93		95		70-130	2		30
4-Methyl-2-pentanone	94		98		70-130	4		30
1,2,3-Trichloropropane	93		94		68-130	1		30
2-Hexanone	95		96		70-130	1		30
Bromochloromethane	99		100		70-130	1		30
2,2-Dichloropropane	104		101		70-130	3		30
1,2-Dibromoethane	96		99		70-130	3		30
1,3-Dichloropropane	98		98		69-130	0		30
1,1,1,2-Tetrachloroethane	101		101		70-130	0		30
Bromobenzene	96		98		70-130	2		30
n-Butylbenzene	105		103		70-130	2		30
sec-Butylbenzene	103		101		70-130	2		30
tert-Butylbenzene	100		99		70-130	1		30
o-Chlorotoluene	97		97		70-130	0		30
p-Chlorotoluene	100		99		70-130	1		30
1,2-Dibromo-3-chloropropane	94		97		68-130	3		30
Hexachlorobutadiene	107		106		67-130	1		30
Isopropylbenzene	104		103		70-130	1		30
p-Isopropyltoluene	102		102		70-130	0		30
Naphthalene	91		94		70-130	3		30
Acrylonitrile	96		98		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-11 Batch: WG780285-1 WG780285-2								
Diisopropyl Ether	96		96		66-130	0		30
Tert-Butyl Alcohol	89		93		70-130	4		30
n-Propylbenzene	102		100		70-130	2		30
1,2,3-Trichlorobenzene	98		100		70-130	2		30
1,2,4-Trichlorobenzene	101		103		70-130	2		30
1,3,5-Trimethylbenzene	100		100		70-130	0		30
1,2,4-Trimethylbenzene	100		99		70-130	1		30
Methyl Acetate	92		92		51-146	0		30
Ethyl Acetate	89		92		70-130	3		30
Acrolein	96		99		70-130	3		30
Cyclohexane	111		107		59-142	4		30
1,4-Dioxane	98		101		65-136	3		30
Freon-113	122		115		50-139	6		30
p-Diethylbenzene	107		110		70-130	3		30
p-Ethyltoluene	106		106		70-130	0		30
1,2,4,5-Tetramethylbenzene	105		108		70-130	3		30
Tetrahydrofuran	85		96		66-130	12		30
Ethyl ether	99		101		67-130	2		30
trans-1,4-Dichloro-2-butene	92		92		70-130	0		30
Methyl cyclohexane	112		109		70-130	3		30
Ethyl-Tert-Butyl-Ether	99		100		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 09-11 Batch: WG780285-1 WG780285-2								
Tertiary-Amyl Methyl Ether	97		100		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG780287-1 WG780287-2								
Methylene chloride	99		96		70-130	3		30
1,1-Dichloroethane	101		98		70-130	3		30
Chloroform	95		94		70-130	1		30
Carbon tetrachloride	101		97		70-130	4		30
1,2-Dichloropropane	102		101		70-130	1		30
Dibromochloromethane	86		87		70-130	1		30
2-Chloroethylvinyl ether	86		84		70-130	2		30
1,1,2-Trichloroethane	94		94		70-130	0		30
Tetrachloroethene	103		100		70-130	3		30
Chlorobenzene	102		100		70-130	2		30
Trichlorofluoromethane	102		97		70-139	5		30
1,2-Dichloroethane	81		83		70-130	2		30
1,1,1-Trichloroethane	99		96		70-130	3		30
Bromodichloromethane	87		87		70-130	0		30
trans-1,3-Dichloropropene	91		91		70-130	0		30
cis-1,3-Dichloropropene	97		97		70-130	0		30
1,1-Dichloropropene	111		106		70-130	5		30
Bromoform	84		86		70-130	2		30
1,1,2,2-Tetrachloroethane	91		92		70-130	1		30
Benzene	108		106		70-130	2		30
Toluene	107		104		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG780287-1 WG780287-2								
Ethylbenzene	107		105		70-130	2		30
Chloromethane	102		96		52-130	6		30
Bromomethane	95		90		57-147	5		30
Vinyl chloride	105		98		67-130	7		30
Chloroethane	105		102		50-151	3		30
1,1-Dichloroethene	115		108		65-135	6		30
trans-1,2-Dichloroethene	112		105		70-130	6		30
Trichloroethene	105		102		70-130	3		30
1,2-Dichlorobenzene	97		96		70-130	1		30
1,3-Dichlorobenzene	102		100		70-130	2		30
1,4-Dichlorobenzene	100		98		70-130	2		30
Methyl tert butyl ether	89		90		66-130	1		30
p/m-Xylene	111		108		70-130	3		30
o-Xylene	108		106		70-130	2		30
cis-1,2-Dichloroethene	106		104		70-130	2		30
Dibromomethane	88		90		70-130	2		30
Styrene	105		104		70-130	1		30
Dichlorodifluoromethane	97		93		30-146	4		30
Acetone	94		100		54-140	6		30
Carbon disulfide	69		63		59-130	9		30
2-Butanone	90		93		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG780287-1 WG780287-2								
Vinyl acetate	89		90		70-130	1		30
4-Methyl-2-pentanone	78		82		70-130	5		30
1,2,3-Trichloropropane	88		90		68-130	2		30
2-Hexanone	82		85		70-130	4		30
Bromochloromethane	100		99		70-130	1		30
2,2-Dichloropropane	100		96		70-130	4		30
1,2-Dibromoethane	92		93		70-130	1		30
1,3-Dichloropropane	93		94		69-130	1		30
1,1,1,2-Tetrachloroethane	92		94		70-130	2		30
Bromobenzene	100		98		70-130	2		30
n-Butylbenzene	114		110		70-130	4		30
sec-Butylbenzene	116		111		70-130	4		30
tert-Butylbenzene	112		107		70-130	5		30
o-Chlorotoluene	106		102		70-130	4		30
p-Chlorotoluene	104		102		70-130	2		30
1,2-Dibromo-3-chloropropane	73		76		68-130	4		30
Hexachlorobutadiene	106		103		67-130	3		30
Isopropylbenzene	111		107		70-130	4		30
p-Isopropyltoluene	114		109		70-130	4		30
Naphthalene	92		93		70-130	1		30
Acrylonitrile	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG780287-1 WG780287-2								
Diisopropyl Ether	99		98		66-130	1		30
Tert-Butyl Alcohol	75		76		70-130	1		30
n-Propylbenzene	112		108		70-130	4		30
1,2,3-Trichlorobenzene	95		95		70-130	0		30
1,2,4-Trichlorobenzene	101		100		70-130	1		30
1,3,5-Trimethylbenzene	110		105		70-130	5		30
1,2,4-Trimethylbenzene	108		105		70-130	3		30
Methyl Acetate	85		87		51-146	2		30
Ethyl Acetate	88		95		70-130	8		30
Acrolein	93		94		70-130	1		30
Cyclohexane	126		119		59-142	6		30
1,4-Dioxane	90		86		65-136	5		30
Freon-113	116		109		50-139	6		30
p-Diethylbenzene	108		106		70-130	2		30
p-Ethyltoluene	108		106		70-130	2		30
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		30
Tetrahydrofuran	85		88		66-130	3		30
Ethyl ether	98		95		67-130	3		30
trans-1,4-Dichloro-2-butene	84		86		70-130	2		30
Methyl cyclohexane	123		118		70-130	4		30
Ethyl-Tert-Butyl-Ether	94		95		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-04 Batch: WG780287-1 WG780287-2								
Tertiary-Amyl Methyl Ether	93		94		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	101		101		70-130
Dibromofluoromethane	93		94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG780293-1 WG780293-2								
Methylene chloride	100		90		70-130	11		30
1,1-Dichloroethane	98		87		70-130	12		30
Chloroform	99		89		70-130	11		30
Carbon tetrachloride	101		85		70-130	17		30
1,2-Dichloropropane	102		92		70-130	10		30
Dibromochloromethane	99		94		70-130	5		30
2-Chloroethylvinyl ether	94		91		70-130	3		30
1,1,2-Trichloroethane	110		101		70-130	9		30
Tetrachloroethene	102		91		70-130	11		30
Chlorobenzene	106		95		70-130	11		30
Trichlorofluoromethane	**143**	Q	118		70-139	19		30
1,2-Dichloroethane	94		87		70-130	8		30
1,1,1-Trichloroethane	100		84		70-130	17		30
Bromodichloromethane	98		92		70-130	6		30
trans-1,3-Dichloropropene	109		95		70-130	14		30
cis-1,3-Dichloropropene	100		92		70-130	8		30
1,1-Dichloropropene	102		86		70-130	17		30
Bromoform	100		98		70-130	2		30
1,1,2,2-Tetrachloroethane	108		101		70-130	7		30
Benzene	103		91		70-130	12		30
Toluene	98		92		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG780293-1 WG780293-2								
Ethylbenzene	111		92		70-130	19		30
Chloromethane	81		68		52-130	17		30
Bromomethane	**149**	Q	122		57-147	20		30
Vinyl chloride	106		88		67-130	19		30
Chloroethane	138		118		50-151	16		30
1,1-Dichloroethene	102		87		65-135	16		30
trans-1,2-Dichloroethene	100		85		70-130	16		30
Trichloroethene	103		90		70-130	13		30
1,2-Dichlorobenzene	103		96		70-130	7		30
1,3-Dichlorobenzene	106		96		70-130	10		30
1,4-Dichlorobenzene	104		96		70-130	8		30
Methyl tert butyl ether	94		90		66-130	4		30
p/m-Xylene	110		95		70-130	15		30
o-Xylene	111		97		70-130	13		30
cis-1,2-Dichloroethene	101		91		70-130	10		30
Dibromomethane	101		95		70-130	6		30
Styrene	113		99		70-130	13		30
Dichlorodifluoromethane	73		61		30-146	18		30
Acetone	108		96		54-140	12		30
Carbon disulfide	96		81		59-130	17		30
2-Butanone	85		79		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG780293-1 WG780293-2								
Vinyl acetate	88		85		70-130	3		30
4-Methyl-2-pentanone	101		89		70-130	13		30
1,2,3-Trichloropropane	116		97		68-130	18		30
2-Hexanone	106		85		70-130	22		30
Bromochloromethane	103		96		70-130	7		30
2,2-Dichloropropane	98		84		70-130	15		30
1,2-Dibromoethane	103		98		70-130	5		30
1,3-Dichloropropane	110		98		69-130	12		30
1,1,1,2-Tetrachloroethane	100		94		70-130	6		30
Bromobenzene	101		95		70-130	6		30
n-Butylbenzene	120		97		70-130	21		30
sec-Butylbenzene	116		94		70-130	21		30
tert-Butylbenzene	110		93		70-130	17		30
o-Chlorotoluene	116		94		70-130	21		30
p-Chlorotoluene	116		94		70-130	21		30
1,2-Dibromo-3-chloropropane	88		92		68-130	4		30
Hexachlorobutadiene	98		89		67-130	10		30
Isopropylbenzene	112		95		70-130	16		30
p-Isopropyltoluene	112		94		70-130	17		30
Naphthalene	92		98		70-130	6		30
Acrylonitrile	98		95		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG780293-1 WG780293-2								
Diisopropyl Ether	89		83		66-130	7		30
Tert-Butyl Alcohol	87		87		70-130	0		30
n-Propylbenzene	118		99		70-130	18		30
1,2,3-Trichlorobenzene	97		100		70-130	3		30
1,2,4-Trichlorobenzene	99		99		70-130	0		30
1,3,5-Trimethylbenzene	115		95		70-130	19		30
1,2,4-Trimethylbenzene	114		95		70-130	18		30
Methyl Acetate	88		87		51-146	1		30
Ethyl Acetate	84		82		70-130	2		30
Acrolein	89		92		70-130	3		30
Cyclohexane	104		87		59-142	18		30
1,4-Dioxane	113		112		65-136	1		30
Freon-113	110		92		50-139	18		30
p-Diethylbenzene	111		95		70-130	16		30
p-Ethyltoluene	114		95		70-130	18		30
1,2,4,5-Tetramethylbenzene	108		96		70-130	12		30
Tetrahydrofuran	87		84		66-130	4		30
Ethyl ether	100		95		67-130	5		30
trans-1,4-Dichloro-2-butene	101		83		70-130	20		30
Methyl cyclohexane	115		95		70-130	19		30
Ethyl-Tert-Butyl-Ether	92		87		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 05 Batch: WG780293-1 WG780293-2								
Tertiary-Amyl Methyl Ether	95		90		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		90		70-130
Toluene-d8	96		101		70-130
4-Bromofluorobenzene	107		110		70-130
Dibromofluoromethane	99		98		70-130

SEMIVOLATILES

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01
Client ID: SB01_1.0-2.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 10:42
Analyst: PS
Percent Solids: 78%

Date Collected: 04/28/15 08:20
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
Benzidine	ND		ug/kg	700	160	1
n-Nitrosodimethylamine	ND		ug/kg	420	68.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	69.	1
Hexachlorobenzene	ND		ug/kg	130	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	59.	1
2-Chloronaphthalene	ND		ug/kg	210	69.	1
1,2-Dichlorobenzene	ND		ug/kg	210	69.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	64.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	54.	1
Fluoranthene	280		ug/kg	130	39.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	64.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Azobenzene	ND		ug/kg	210	56.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	74.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	64.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	140	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	56.	1
Naphthalene	ND		ug/kg	210	70.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NDPA/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	63.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	55.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	41.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01 Date Collected: 04/28/15 08:20

Client ID: SB01_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	210	52.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	54.	1
Benzo(a)anthracene	140		ug/kg	130	41.	1
Benzo(a)pyrene	130	J	ug/kg	170	52.	1
Benzo(b)fluoranthene	160		ug/kg	130	42.	1
Benzo(k)fluoranthene	66	J	ug/kg	130	40.	1
Chrysene	140		ug/kg	130	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	39	J	ug/kg	130	35.	1
Benzo(ghi)perylene	78	J	ug/kg	170	44.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	160		ug/kg	130	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	41.	1
Indeno(1,2,3-cd)pyrene	87	J	ug/kg	170	47.	1
Pyrene	260		ug/kg	130	41.	1
Biphenyl	ND		ug/kg	480	69.	1
4-Chloroaniline	ND		ug/kg	210	56.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	58.	1
4-Nitroaniline	ND		ug/kg	210	57.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	67.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	65.	1
Acetophenone	ND		ug/kg	210	65.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	61.	1
2-Chlorophenol	ND		ug/kg	210	64.	1
2,4-Dichlorophenol	ND		ug/kg	190	68.	1
2,4-Dimethylphenol	ND		ug/kg	210	63.	1
2-Nitrophenol	ND		ug/kg	460	66.	1
4-Nitrophenol	ND		ug/kg	290	68.	1
2,4-Dinitrophenol	ND		ug/kg	1000	290	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	77.	1
Pentachlorophenol	ND		ug/kg	170	45.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	68.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	69.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	68.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01 Date Collected: 04/28/15 08:20

Client ID: SB01_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	45.	1
Benzaldehyde	ND		ug/kg	280	85.	1
Caprolactam	ND		ug/kg	210	58.	1
Atrazine	ND		ug/kg	170	48.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	31		25-120
Phenol-d6	33		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	37		30-120
2,4,6-Tribromophenol	41		10-136
4-Terphenyl-d14	42		18-120

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02
Client ID: SB02_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 11:10
Analyst: PS
Percent Solids: 83%

Date Collected: 04/28/15 09:30
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
Benzidine	ND		ug/kg	650	150	1
n-Nitrosodimethylamine	ND		ug/kg	390	64.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	65.	1
Hexachlorobenzene	ND		ug/kg	120	37.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	65.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Azobenzene	ND		ug/kg	200	53.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	60.	1
Hexachlorobutadiene	ND		ug/kg	200	56.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	130	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	66	J	ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NDPA/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	59.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	52.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02 Date Collected: 04/28/15 09:30

Client ID: SB02_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	42.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	39.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	56.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	66.	1
2-Methylnaphthalene	95	J	ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	60.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	59.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	280	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	65.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02 Date Collected: 04/28/15 09:30

Client ID: SB02_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	42.	1
Benzaldehyde	ND		ug/kg	260	80.	1
Caprolactam	ND		ug/kg	200	54.	1
Atrazine	ND		ug/kg	160	45.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	45		10-136
4-Terphenyl-d14	77		18-120

Project Name: 440 WASHINGTON STREET
Lab Number: L1508860
Project Number: 170361501
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03 D2
Client ID: SB03_4.0-5.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 14:46
Analyst: PS
Percent Solids: 82%

Date Collected: 04/28/15 10:00
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	55000		ug/kg	950	290	8
Benzo(a)anthracene	33000		ug/kg	950	310	8
Benzo(b)fluoranthene	37000		ug/kg	950	320	8
Chrysene	33000		ug/kg	950	310	8
Phenanthrene	32000		ug/kg	950	310	8
Pyrene	50000		ug/kg	950	310	8

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03 D
Client ID: SB03_4.0-5.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 13:55
Analyst: PS
Percent Solids: 82%

Date Collected: 04/28/15 10:00
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	950		ug/kg	640	160	4
Benzidine	ND		ug/kg	2600	620	4
n-Nitrosodimethylamine	ND		ug/kg	1600	260	4
1,2,4-Trichlorobenzene	ND		ug/kg	790	260	4
Hexachlorobenzene	ND		ug/kg	480	150	4
Bis(2-chloroethyl)ether	ND		ug/kg	720	220	4
2-Chloronaphthalene	ND		ug/kg	790	260	4
1,2-Dichlorobenzene	ND		ug/kg	790	260	4
1,3-Dichlorobenzene	ND		ug/kg	790	250	4
1,4-Dichlorobenzene	ND		ug/kg	790	240	4
3,3'-Dichlorobenzidine	ND		ug/kg	790	210	4
2,4-Dinitrotoluene	ND		ug/kg	790	170	4
2,6-Dinitrotoluene	ND		ug/kg	790	200	4
Fluoranthene	59000	E	ug/kg	480	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	790	240	4
4-Bromophenyl phenyl ether	ND		ug/kg	790	180	4
Azobenzene	ND		ug/kg	790	210	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	950	280	4
Bis(2-chloroethoxy)methane	ND		ug/kg	860	240	4
Hexachlorobutadiene	ND		ug/kg	790	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2300	510	4
Hexachloroethane	ND		ug/kg	640	140	4
Isophorone	ND		ug/kg	720	210	4
Naphthalene	270	J	ug/kg	790	260	4
Nitrobenzene	ND		ug/kg	720	190	4
NDPA/DPA	ND		ug/kg	640	170	4
n-Nitrosodi-n-propylamine	ND		ug/kg	790	240	4
Bis(2-ethylhexyl)phthalate	ND		ug/kg	790	210	4
Butyl benzyl phthalate	ND		ug/kg	790	160	4
Di-n-butylphthalate	ND		ug/kg	790	150	4

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03 D Date Collected: 04/28/15 10:00

Client ID: SB03_4.0-5.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	790	200	4
Diethyl phthalate	ND		ug/kg	790	170	4
Dimethyl phthalate	ND		ug/kg	790	200	4
Benzo(a)anthracene	35000	E	ug/kg	480	160	4
Benzo(a)pyrene	31000		ug/kg	640	190	4
Benzo(b)fluoranthene	39000	E	ug/kg	480	160	4
Benzo(k)fluoranthene	16000		ug/kg	480	150	4
Chrysene	36000	E	ug/kg	480	160	4
Acenaphthylene	5600		ug/kg	640	150	4
Anthracene	10000		ug/kg	480	130	4
Benzo(ghi)perylene	18000		ug/kg	640	160	4
Fluorene	1700		ug/kg	790	230	4
Phenanthrene	36000	E	ug/kg	480	160	4
Dibenzo(a,h)anthracene	5900		ug/kg	480	150	4
Indeno(1,2,3-cd)pyrene	21000		ug/kg	640	180	4
Pyrene	56000	E	ug/kg	480	150	4
Biphenyl	ND		ug/kg	1800	260	4
4-Chloroaniline	ND		ug/kg	790	210	4
2-Nitroaniline	ND		ug/kg	790	220	4
3-Nitroaniline	ND		ug/kg	790	220	4
4-Nitroaniline	ND		ug/kg	790	210	4
Dibenzofuran	1100		ug/kg	790	260	4
2-Methylnaphthalene	ND		ug/kg	950	250	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	790	250	4
Acetophenone	ND		ug/kg	790	250	4
2,4,6-Trichlorophenol	ND		ug/kg	480	150	4
p-Chloro-m-cresol	ND		ug/kg	790	230	4
2-Chlorophenol	ND		ug/kg	790	240	4
2,4-Dichlorophenol	ND		ug/kg	720	260	4
2,4-Dimethylphenol	ND		ug/kg	790	240	4
2-Nitrophenol	ND		ug/kg	1700	250	4
4-Nitrophenol	ND		ug/kg	1100	260	4
2,4-Dinitrophenol	ND		ug/kg	3800	1100	4
4,6-Dinitro-o-cresol	ND		ug/kg	2100	290	4
Pentachlorophenol	ND		ug/kg	640	170	4
Phenol	ND		ug/kg	790	240	4
2-Methylphenol	ND		ug/kg	790	260	4
3-Methylphenol/4-Methylphenol	ND		ug/kg	1100	260	4
2,4,5-Trichlorophenol	ND		ug/kg	790	260	4

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03 D Date Collected: 04/28/15 10:00

Client ID: SB03_4.0-5.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	2600	800	4
Benzyl Alcohol	ND		ug/kg	790	240	4
Carbazole	2200		ug/kg	790	170	4
Benzaldehyde	ND		ug/kg	1000	320	4
Caprolactam	ND		ug/kg	790	220	4
Atrazine	ND		ug/kg	640	180	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	790	140	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	68		18-120

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 D
Client ID: SB04_2.0-3.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 14:21
Analyst: PS
Percent Solids: 85%

Date Collected: 04/28/15 10:55
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	500	J	ug/kg	620	160	4
Benzidine	ND		ug/kg	2600	610	4
n-Nitrosodimethylamine	ND		ug/kg	1600	250	4
1,2,4-Trichlorobenzene	ND		ug/kg	780	250	4
Hexachlorobenzene	ND		ug/kg	460	140	4
Bis(2-chloroethyl)ether	ND		ug/kg	700	220	4
2-Chloronaphthalene	ND		ug/kg	780	250	4
1,2-Dichlorobenzene	ND		ug/kg	780	250	4
1,3-Dichlorobenzene	ND		ug/kg	780	240	4
1,4-Dichlorobenzene	ND		ug/kg	780	240	4
3,3'-Dichlorobenzidine	ND		ug/kg	780	210	4
2,4-Dinitrotoluene	ND		ug/kg	780	170	4
2,6-Dinitrotoluene	ND		ug/kg	780	200	4
Fluoranthene	23000		ug/kg	460	140	4
4-Chlorophenyl phenyl ether	ND		ug/kg	780	240	4
4-Bromophenyl phenyl ether	ND		ug/kg	780	180	4
Azobenzene	ND		ug/kg	780	210	4
Bis(2-chloroisopropyl)ether	ND		ug/kg	930	270	4
Bis(2-chloroethoxy)methane	ND		ug/kg	840	240	4
Hexachlorobutadiene	ND		ug/kg	780	220	4
Hexachlorocyclopentadiene	ND		ug/kg	2200	500	4
Hexachloroethane	ND		ug/kg	620	140	4
Isophorone	ND		ug/kg	700	210	4
Naphthalene	460	J	ug/kg	780	260	4
Nitrobenzene	ND		ug/kg	700	180	4
NDPA/DPA	ND		ug/kg	620	160	4
n-Nitrosodi-n-propylamine	ND		ug/kg	780	230	4
Bis(2-ethylhexyl)phthalate	ND		ug/kg	780	200	4
Butyl benzyl phthalate	ND		ug/kg	780	150	4
Di-n-butylphthalate	ND		ug/kg	780	150	4

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 D Date Collected: 04/28/15 10:55

Client ID: SB04_2.0-3.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	780	190	4
Diethyl phthalate	ND		ug/kg	780	160	4
Dimethyl phthalate	ND		ug/kg	780	200	4
Benzo(a)anthracene	14000		ug/kg	460	150	4
Benzo(a)pyrene	10000		ug/kg	620	190	4
Benzo(b)fluoranthene	13000		ug/kg	460	160	4
Benzo(k)fluoranthene	4100		ug/kg	460	150	4
Chrysene	13000		ug/kg	460	150	4
Acenaphthylene	4400		ug/kg	620	140	4
Anthracene	5600		ug/kg	460	130	4
Benzo(ghi)perylene	6100		ug/kg	620	160	4
Fluorene	590	J	ug/kg	780	220	4
Phenanthrene	16000		ug/kg	460	150	4
Dibenzo(a,h)anthracene	1800		ug/kg	460	150	4
Indeno(1,2,3-cd)pyrene	5400		ug/kg	620	170	4
Pyrene	22000		ug/kg	460	150	4
Biphenyl	ND		ug/kg	1800	260	4
4-Chloroaniline	ND		ug/kg	780	200	4
2-Nitroaniline	ND		ug/kg	780	220	4
3-Nitroaniline	ND		ug/kg	780	210	4
4-Nitroaniline	ND		ug/kg	780	210	4
Dibenzofuran	620	J	ug/kg	780	260	4
2-Methylnaphthalene	250	J	ug/kg	930	250	4
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	780	240	4
Acetophenone	ND		ug/kg	780	240	4
2,4,6-Trichlorophenol	ND		ug/kg	460	150	4
p-Chloro-m-cresol	ND		ug/kg	780	220	4
2-Chlorophenol	ND		ug/kg	780	230	4
2,4-Dichlorophenol	ND		ug/kg	700	250	4
2,4-Dimethylphenol	ND		ug/kg	780	230	4
2-Nitrophenol	ND		ug/kg	1700	240	4
4-Nitrophenol	ND		ug/kg	1100	250	4
2,4-Dinitrophenol	ND		ug/kg	3700	1100	4
4,6-Dinitro-o-cresol	ND		ug/kg	2000	280	4
Pentachlorophenol	ND		ug/kg	620	170	4
Phenol	ND		ug/kg	780	230	4
2-Methylphenol	ND		ug/kg	780	250	4
3-Methylphenol/4-Methylphenol	310	J	ug/kg	1100	250	4
2,4,5-Trichlorophenol	ND		ug/kg	780	250	4

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04 D Date Collected: 04/28/15 10:55

Client ID: SB04_2.0-3.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	2500	780	4
Benzyl Alcohol	ND		ug/kg	780	240	4
Carbazole	910		ug/kg	780	170	4
Benzaldehyde	ND		ug/kg	1000	310	4
Caprolactam	ND		ug/kg	780	210	4
Atrazine	ND		ug/kg	620	180	4
2,3,4,6-Tetrachlorophenol	ND		ug/kg	780	130	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		25-120
Phenol-d6	54		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	32		10-136
4-Terphenyl-d14	68		18-120

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05
Client ID: SB05_5.0-6.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 11:37
Analyst: PS
Percent Solids: 86%

Date Collected: 04/28/15 11:35
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
Benzidine	ND		ug/kg	640	150	1
n-Nitrosodimethylamine	ND		ug/kg	390	63.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	54.	1
2-Chloronaphthalene	ND		ug/kg	190	63.	1
1,2-Dichlorobenzene	ND		ug/kg	190	64.	1
1,3-Dichlorobenzene	ND		ug/kg	190	61.	1
1,4-Dichlorobenzene	ND		ug/kg	190	59.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	42.	1
2,6-Dinitrotoluene	ND		ug/kg	190	50.	1
Fluoranthene	66	J	ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	59.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	44.	1
Azobenzene	ND		ug/kg	190	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	68.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	190	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	35.	1
Isophorone	ND		ug/kg	170	52.	1
Naphthalene	ND		ug/kg	190	64.	1
Nitrobenzene	ND		ug/kg	170	46.	1
NDPA/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	58.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	51.	1
Butyl benzyl phthalate	ND		ug/kg	190	38.	1
Di-n-butylphthalate	ND		ug/kg	190	37.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05 Date Collected: 04/28/15 11:35

Client ID: SB05_5.0-6.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	190	48.	1
Diethyl phthalate	ND		ug/kg	190	41.	1
Dimethyl phthalate	ND		ug/kg	190	49.	1
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	47.	1
Benzo(b)fluoranthene	39	J	ug/kg	120	39.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	44	J	ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	36.	1
Anthracene	ND		ug/kg	120	32.	1
Benzo(ghi)perylene	ND		ug/kg	160	40.	1
Fluorene	ND		ug/kg	190	56.	1
Phenanthrene	54	J	ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	43.	1
Pyrene	61	J	ug/kg	120	38.	1
Biphenyl	ND		ug/kg	440	64.	1
4-Chloroaniline	ND		ug/kg	190	51.	1
2-Nitroaniline	ND		ug/kg	190	55.	1
3-Nitroaniline	ND		ug/kg	190	54.	1
4-Nitroaniline	ND		ug/kg	190	52.	1
Dibenzofuran	ND		ug/kg	190	65.	1
2-Methylnaphthalene	ND		ug/kg	230	62.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	60.	1
Acetophenone	ND		ug/kg	190	60.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	56.	1
2-Chlorophenol	ND		ug/kg	190	58.	1
2,4-Dichlorophenol	ND		ug/kg	170	63.	1
2,4-Dimethylphenol	ND		ug/kg	190	58.	1
2-Nitrophenol	ND		ug/kg	420	60.	1
4-Nitrophenol	ND		ug/kg	270	63.	1
2,4-Dinitrophenol	ND		ug/kg	930	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	71.	1
Pentachlorophenol	ND		ug/kg	160	41.	1
Phenol	ND		ug/kg	190	57.	1
2-Methylphenol	ND		ug/kg	190	62.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	63.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05 Date Collected: 04/28/15 11:35

Client ID: SB05_5.0-6.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	42.	1
Benzaldehyde	ND		ug/kg	260	78.	1
Caprolactam	ND		ug/kg	190	54.	1
Atrazine	ND		ug/kg	160	44.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	62		18-120

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06 D
Client ID: SB06_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 15:38
Analyst: PS
Percent Solids: 75%

Date Collected: 04/28/15 12:35
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	43000		ug/kg	7000	1800	40
Benzidine	ND		ug/kg	29000	6900	40
n-Nitrosodimethylamine	ND		ug/kg	18000	2800	40
1,2,4-Trichlorobenzene	ND		ug/kg	8800	2900	40
Hexachlorobenzene	ND		ug/kg	5300	1600	40
Bis(2-chloroethyl)ether	ND		ug/kg	7900	2500	40
2-Chloronaphthalene	ND		ug/kg	8800	2900	40
1,2-Dichlorobenzene	ND		ug/kg	8800	2900	40
1,3-Dichlorobenzene	ND		ug/kg	8800	2800	40
1,4-Dichlorobenzene	ND		ug/kg	8800	2700	40
3,3'-Dichlorobenzidine	ND		ug/kg	8800	2300	40
2,4-Dinitrotoluene	ND		ug/kg	8800	1900	40
2,6-Dinitrotoluene	ND		ug/kg	8800	2200	40
Fluoranthene	300000		ug/kg	5300	1600	40
4-Chlorophenyl phenyl ether	ND		ug/kg	8800	2700	40
4-Bromophenyl phenyl ether	ND		ug/kg	8800	2000	40
Azobenzene	ND		ug/kg	8800	2400	40
Bis(2-chloroisopropyl)ether	ND		ug/kg	10000	3100	40
Bis(2-chloroethoxy)methane	ND		ug/kg	9500	2700	40
Hexachlorobutadiene	ND		ug/kg	8800	2500	40
Hexachlorocyclopentadiene	ND		ug/kg	25000	5600	40
Hexachloroethane	ND		ug/kg	7000	1600	40
Isophorone	ND		ug/kg	7900	2300	40
Naphthalene	67000		ug/kg	8800	2900	40
Nitrobenzene	ND		ug/kg	7900	2100	40
NDPA/DPA	ND		ug/kg	7000	1800	40
n-Nitrosodi-n-propylamine	ND		ug/kg	8800	2600	40
Bis(2-ethylhexyl)phthalate	ND		ug/kg	8800	2300	40
Butyl benzyl phthalate	ND		ug/kg	8800	1700	40
Di-n-butylphthalate	ND		ug/kg	8800	1700	40

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06 D Date Collected: 04/28/15 12:35

Client ID: SB06_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	8800	2200	40
Diethyl phthalate	ND		ug/kg	8800	1800	40
Dimethyl phthalate	ND		ug/kg	8800	2200	40
Benzo(a)anthracene	130000		ug/kg	5300	1700	40
Benzo(a)pyrene	100000		ug/kg	7000	2200	40
Benzo(b)fluoranthene	120000		ug/kg	5300	1800	40
Benzo(k)fluoranthene	45000		ug/kg	5300	1700	40
Chrysene	120000		ug/kg	5300	1700	40
Acenaphthylene	20000		ug/kg	7000	1600	40
Anthracene	98000		ug/kg	5300	1500	40
Benzo(ghi)perylene	55000		ug/kg	7000	1800	40
Fluorene	50000		ug/kg	8800	2500	40
Phenanthrene	350000		ug/kg	5300	1700	40
Dibenzo(a,h)anthracene	14000		ug/kg	5300	1700	40
Indeno(1,2,3-cd)pyrene	59000		ug/kg	7000	2000	40
Pyrene	260000		ug/kg	5300	1700	40
Biphenyl	ND		ug/kg	20000	2900	40
4-Chloroaniline	ND		ug/kg	8800	2300	40
2-Nitroaniline	ND		ug/kg	8800	2500	40
3-Nitroaniline	ND		ug/kg	8800	2400	40
4-Nitroaniline	ND		ug/kg	8800	2400	40
Dibenzofuran	35000		ug/kg	8800	2900	40
2-Methylnaphthalene	24000		ug/kg	10000	2800	40
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	8800	2700	40
Acetophenone	ND		ug/kg	8800	2700	40
2,4,6-Trichlorophenol	ND		ug/kg	5300	1600	40
p-Chloro-m-cresol	ND		ug/kg	8800	2600	40
2-Chlorophenol	ND		ug/kg	8800	2600	40
2,4-Dichlorophenol	ND		ug/kg	7900	2800	40
2,4-Dimethylphenol	ND		ug/kg	8800	2600	40
2-Nitrophenol	ND		ug/kg	19000	2700	40
4-Nitrophenol	ND		ug/kg	12000	2800	40
2,4-Dinitrophenol	ND		ug/kg	42000	12000	40
4,6-Dinitro-o-cresol	ND		ug/kg	23000	3200	40
Pentachlorophenol	ND		ug/kg	7000	1900	40
Phenol	ND		ug/kg	8800	2600	40
2-Methylphenol	ND		ug/kg	8800	2800	40
3-Methylphenol/4-Methylphenol	ND		ug/kg	13000	2900	40
2,4,5-Trichlorophenol	ND		ug/kg	8800	2800	40

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06 D Date Collected: 04/28/15 12:35

Client ID: SB06_0.5-1.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	28000	8900	40
Benzyl Alcohol	ND		ug/kg	8800	2700	40
Carbazole	31000		ug/kg	8800	1900	40
Benzaldehyde	ND		ug/kg	12000	3600	40
Caprolactam	ND		ug/kg	8800	2400	40
Atrazine	ND		ug/kg	7000	2000	40
2,3,4,6-Tetrachlorophenol	ND		ug/kg	8800	1500	40

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

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07 D
Client ID: SB07_1.0-2.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 16:55
Analyst: PS
Percent Solids: 74%

Date Collected: 04/28/15 13:30
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22000		ug/kg	7100	1800	40
Benzidine	ND		ug/kg	29000	6900	40
n-Nitrosodimethylamine	ND		ug/kg	18000	2900	40
1,2,4-Trichlorobenzene	ND		ug/kg	8800	2900	40
Hexachlorobenzene	ND		ug/kg	5300	1600	40
Bis(2-chloroethyl)ether	ND		ug/kg	8000	2500	40
2-Chloronaphthalene	ND		ug/kg	8800	2900	40
1,2-Dichlorobenzene	ND		ug/kg	8800	2900	40
1,3-Dichlorobenzene	ND		ug/kg	8800	2800	40
1,4-Dichlorobenzene	ND		ug/kg	8800	2700	40
3,3'-Dichlorobenzidine	ND		ug/kg	8800	2400	40
2,4-Dinitrotoluene	ND		ug/kg	8800	1900	40
2,6-Dinitrotoluene	ND		ug/kg	8800	2300	40
Fluoranthene	200000		ug/kg	5300	1600	40
4-Chlorophenyl phenyl ether	ND		ug/kg	8800	2700	40
4-Bromophenyl phenyl ether	ND		ug/kg	8800	2000	40
Azobenzene	ND		ug/kg	8800	2400	40
Bis(2-chloroisopropyl)ether	ND		ug/kg	11000	3100	40
Bis(2-chloroethoxy)methane	ND		ug/kg	9600	2700	40
Hexachlorobutadiene	ND		ug/kg	8800	2500	40
Hexachlorocyclopentadiene	ND		ug/kg	25000	5700	40
Hexachloroethane	ND		ug/kg	7100	1600	40
Isophorone	ND		ug/kg	8000	2400	40
Naphthalene	37000		ug/kg	8800	2900	40
Nitrobenzene	ND		ug/kg	8000	2100	40
NDPA/DPA	ND		ug/kg	7100	1800	40
n-Nitrosodi-n-propylamine	ND		ug/kg	8800	2600	40
Bis(2-ethylhexyl)phthalate	ND		ug/kg	8800	2300	40
Butyl benzyl phthalate	ND		ug/kg	8800	1700	40
Di-n-butylphthalate	ND		ug/kg	8800	1700	40

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07 D Date Collected: 04/28/15 13:30

Client ID: SB07_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	8800	2200	40
Diethyl phthalate	ND		ug/kg	8800	1900	40
Dimethyl phthalate	ND		ug/kg	8800	2200	40
Benzo(a)anthracene	84000		ug/kg	5300	1700	40
Benzo(a)pyrene	77000		ug/kg	7100	2200	40
Benzo(b)fluoranthene	96000		ug/kg	5300	1800	40
Benzo(k)fluoranthene	34000		ug/kg	5300	1700	40
Chrysene	84000		ug/kg	5300	1700	40
Acenaphthylene	20000		ug/kg	7100	1600	40
Anthracene	51000		ug/kg	5300	1500	40
Benzo(ghi)perylene	48000		ug/kg	7100	1800	40
Fluorene	26000		ug/kg	8800	2500	40
Phenanthrene	180000		ug/kg	5300	1700	40
Dibenzo(a,h)anthracene	12000		ug/kg	5300	1700	40
Indeno(1,2,3-cd)pyrene	50000		ug/kg	7100	2000	40
Pyrene	180000		ug/kg	5300	1700	40
Biphenyl	3300	J	ug/kg	20000	2900	40
4-Chloroaniline	ND		ug/kg	8800	2300	40
2-Nitroaniline	ND		ug/kg	8800	2500	40
3-Nitroaniline	ND		ug/kg	8800	2400	40
4-Nitroaniline	ND		ug/kg	8800	2400	40
Dibenzofuran	19000		ug/kg	8800	3000	40
2-Methylnaphthalene	13000		ug/kg	11000	2800	40
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	8800	2700	40
Acetophenone	ND		ug/kg	8800	2700	40
2,4,6-Trichlorophenol	ND		ug/kg	5300	1700	40
p-Chloro-m-cresol	ND		ug/kg	8800	2600	40
2-Chlorophenol	ND		ug/kg	8800	2700	40
2,4-Dichlorophenol	ND		ug/kg	8000	2900	40
2,4-Dimethylphenol	ND		ug/kg	8800	2600	40
2-Nitrophenol	ND		ug/kg	19000	2800	40
4-Nitrophenol	ND		ug/kg	12000	2900	40
2,4-Dinitrophenol	ND		ug/kg	42000	12000	40
4,6-Dinitro-o-cresol	ND		ug/kg	23000	3200	40
Pentachlorophenol	ND		ug/kg	7100	1900	40
Phenol	ND		ug/kg	8800	2600	40
2-Methylphenol	ND		ug/kg	8800	2800	40
3-Methylphenol/4-Methylphenol	ND		ug/kg	13000	2900	40
2,4,5-Trichlorophenol	ND		ug/kg	8800	2900	40

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07 D Date Collected: 04/28/15 13:30

Client ID: SB07_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	29000	9000	40
Benzyl Alcohol	ND		ug/kg	8800	2700	40
Carbazole	18000		ug/kg	8800	1900	40
Benzaldehyde	ND		ug/kg	12000	3600	40
Caprolactam	ND		ug/kg	8800	2400	40
Atrazine	ND		ug/kg	7100	2000	40
2,3,4,6-Tetrachlorophenol	ND		ug/kg	8800	1500	40

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

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08
Client ID: SB08_3.5-4.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 12:04
Analyst: PS
Percent Solids: 84%

Date Collected: 04/28/15 14:05
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	48.	1
Benzidine	ND		ug/kg	770	180	1
n-Nitrosodimethylamine	ND		ug/kg	460	75.	1
1,2,4-Trichlorobenzene	ND		ug/kg	230	76.	1
Hexachlorobenzene	ND		ug/kg	140	43.	1
Bis(2-chloroethyl)ether	ND		ug/kg	210	65.	1
2-Chloronaphthalene	ND		ug/kg	230	76.	1
1,2-Dichlorobenzene	ND		ug/kg	230	76.	1
1,3-Dichlorobenzene	ND		ug/kg	230	73.	1
1,4-Dichlorobenzene	ND		ug/kg	230	70.	1
3,3'-Dichlorobenzidine	ND		ug/kg	230	62.	1
2,4-Dinitrotoluene	ND		ug/kg	230	50.	1
2,6-Dinitrotoluene	ND		ug/kg	230	59.	1
Fluoranthene	ND		ug/kg	140	43.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	230	71.	1
4-Bromophenyl phenyl ether	ND		ug/kg	230	53.	1
Azobenzene	ND		ug/kg	230	62.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	280	82.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	250	70.	1
Hexachlorobutadiene	ND		ug/kg	230	65.	1
Hexachlorocyclopentadiene	ND		ug/kg	660	150	1
Hexachloroethane	ND		ug/kg	180	42.	1
Isophorone	ND		ug/kg	210	62.	1
Naphthalene	ND		ug/kg	230	77.	1
Nitrobenzene	ND		ug/kg	210	55.	1
NDPA/DPA	ND		ug/kg	180	49.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	230	69.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	230	61.	1
Butyl benzyl phthalate	ND		ug/kg	230	45.	1
Di-n-butylphthalate	ND		ug/kg	230	45.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08 Date Collected: 04/28/15 14:05

Client ID: SB08_3.5-4.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	230	57.	1
Diethyl phthalate	ND		ug/kg	230	49.	1
Dimethyl phthalate	ND		ug/kg	230	59.	1
Benzo(a)anthracene	ND		ug/kg	140	45.	1
Benzo(a)pyrene	ND		ug/kg	180	57.	1
Benzo(b)fluoranthene	ND		ug/kg	140	47.	1
Benzo(k)fluoranthene	ND		ug/kg	140	44.	1
Chrysene	ND		ug/kg	140	46.	1
Acenaphthylene	ND		ug/kg	180	43.	1
Anthracene	ND		ug/kg	140	39.	1
Benzo(ghi)perylene	ND		ug/kg	180	48.	1
Fluorene	ND		ug/kg	230	66.	1
Phenanthrene	ND		ug/kg	140	45.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	45.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	52.	1
Pyrene	ND		ug/kg	140	45.	1
Biphenyl	ND		ug/kg	530	76.	1
4-Chloroaniline	ND		ug/kg	230	61.	1
2-Nitroaniline	ND		ug/kg	230	65.	1
3-Nitroaniline	ND		ug/kg	230	64.	1
4-Nitroaniline	ND		ug/kg	230	63.	1
Dibenzofuran	ND		ug/kg	230	78.	1
2-Methylnaphthalene	ND		ug/kg	280	74.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	230	72.	1
Acetophenone	ND		ug/kg	230	72.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	44.	1
p-Chloro-m-cresol	ND		ug/kg	230	67.	1
2-Chlorophenol	ND		ug/kg	230	70.	1
2,4-Dichlorophenol	ND		ug/kg	210	75.	1
2,4-Dimethylphenol	ND		ug/kg	230	69.	1
2-Nitrophenol	ND		ug/kg	500	72.	1
4-Nitrophenol	ND		ug/kg	320	75.	1
2,4-Dinitrophenol	ND		ug/kg	1100	320	1
4,6-Dinitro-o-cresol	ND		ug/kg	600	85.	1
Pentachlorophenol	ND		ug/kg	180	50.	1
Phenol	ND		ug/kg	230	69.	1
2-Methylphenol	ND		ug/kg	230	75.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	330	76.	1
2,4,5-Trichlorophenol	ND		ug/kg	230	75.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08 Date Collected: 04/28/15 14:05

Client ID: SB08_3.5-4.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	750	230	1
Benzyl Alcohol	ND		ug/kg	230	72.	1
Carbazole	ND		ug/kg	230	50.	1
Benzaldehyde	ND		ug/kg	310	94.	1
Caprolactam	ND		ug/kg	230	64.	1
Atrazine	ND		ug/kg	180	53.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	230	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	96		18-120

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09
Client ID: SB08_5.0-5.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 12:32
Analyst: PS
Percent Solids: 88%

Date Collected: 04/28/15 14:15
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	39.	1
Benzidine	ND		ug/kg	620	150	1
n-Nitrosodimethylamine	ND		ug/kg	380	61.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	62.	1
Hexachlorobenzene	ND		ug/kg	110	35.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	53.	1
2-Chloronaphthalene	ND		ug/kg	190	62.	1
1,2-Dichlorobenzene	ND		ug/kg	190	62.	1
1,3-Dichlorobenzene	ND		ug/kg	190	60.	1
1,4-Dichlorobenzene	ND		ug/kg	190	57.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	41.	1
2,6-Dinitrotoluene	ND		ug/kg	190	48.	1
Fluoranthene	39	J	ug/kg	110	35.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	58.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	43.	1
Azobenzene	ND		ug/kg	190	51.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	66.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	57.	1
Hexachlorobutadiene	ND		ug/kg	190	53.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	120	1
Hexachloroethane	ND		ug/kg	150	34.	1
Isophorone	ND		ug/kg	170	50.	1
Naphthalene	110	J	ug/kg	190	63.	1
Nitrobenzene	ND		ug/kg	170	45.	1
NDPA/DPA	ND		ug/kg	150	40.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	56.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	50.	1
Butyl benzyl phthalate	ND		ug/kg	190	37.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09 Date Collected: 04/28/15 14:15

Client ID: SB08_5.0-5.5 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	190	46.	1
Diethyl phthalate	ND		ug/kg	190	40.	1
Dimethyl phthalate	ND		ug/kg	190	48.	1
Benzo(a)anthracene	ND		ug/kg	110	37.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	40	J	ug/kg	110	38.	1
Benzo(k)fluoranthene	ND		ug/kg	110	36.	1
Chrysene	37	J	ug/kg	110	37.	1
Acenaphthylene	ND		ug/kg	150	35.	1
Anthracene	ND		ug/kg	110	31.	1
Benzo(ghi)perylene	ND		ug/kg	150	39.	1
Fluorene	ND		ug/kg	190	54.	1
Phenanthrene	38	J	ug/kg	110	37.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	37.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	42.	1
Pyrene	48	J	ug/kg	110	37.	1
Biphenyl	ND		ug/kg	430	62.	1
4-Chloroaniline	ND		ug/kg	190	50.	1
2-Nitroaniline	ND		ug/kg	190	53.	1
3-Nitroaniline	ND		ug/kg	190	52.	1
4-Nitroaniline	ND		ug/kg	190	51.	1
Dibenzofuran	ND		ug/kg	190	63.	1
2-Methylnaphthalene	72	J	ug/kg	230	60.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	58.	1
Acetophenone	ND		ug/kg	190	59.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	55.	1
2-Chlorophenol	ND		ug/kg	190	57.	1
2,4-Dichlorophenol	ND		ug/kg	170	61.	1
2,4-Dimethylphenol	ND		ug/kg	190	56.	1
2-Nitrophenol	ND		ug/kg	410	59.	1
4-Nitrophenol	ND		ug/kg	260	61.	1
2,4-Dinitrophenol	ND		ug/kg	910	260	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	69.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	190	56.	1
2-Methylphenol	ND		ug/kg	190	61.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	62.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	61.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09 Date Collected: 04/28/15 14:15

Client ID: SB08_5.0-5.5 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	41.	1
Benzaldehyde	ND		ug/kg	250	76.	1
Caprolactam	ND		ug/kg	190	52.	1
Atrazine	ND		ug/kg	150	43.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	32.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	98		18-120

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10
Client ID: SB08_11.5-12.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 13:00
Analyst: PS
Percent Solids: 80%

Date Collected: 04/28/15 14:25
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	43.	1
Benzidine	ND		ug/kg	690	160	1
n-Nitrosodimethylamine	ND		ug/kg	420	67.	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	68.	1
Hexachlorobenzene	ND		ug/kg	120	39.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	58.	1
2-Chloronaphthalene	ND		ug/kg	210	68.	1
1,2-Dichlorobenzene	ND		ug/kg	210	68.	1
1,3-Dichlorobenzene	ND		ug/kg	210	66.	1
1,4-Dichlorobenzene	ND		ug/kg	210	63.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	55.	1
2,4-Dinitrotoluene	ND		ug/kg	210	45.	1
2,6-Dinitrotoluene	ND		ug/kg	210	53.	1
Fluoranthene	ND		ug/kg	120	38.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	63.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	48.	1
Azobenzene	ND		ug/kg	210	56.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	73.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	63.	1
Hexachlorobutadiene	ND		ug/kg	210	59.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	130	1
Hexachloroethane	ND		ug/kg	170	38.	1
Isophorone	ND		ug/kg	190	55.	1
Naphthalene	ND		ug/kg	210	69.	1
Nitrobenzene	ND		ug/kg	190	50.	1
NDPA/DPA	ND		ug/kg	170	44.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	62.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	54.	1
Butyl benzyl phthalate	ND		ug/kg	210	41.	1
Di-n-butylphthalate	ND		ug/kg	210	40.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10 Date Collected: 04/28/15 14:25

Client ID: SB08_11.5-12.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	210	51.	1
Diethyl phthalate	ND		ug/kg	210	44.	1
Dimethyl phthalate	ND		ug/kg	210	53.	1
Benzo(a)anthracene	ND		ug/kg	120	41.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	42.	1
Benzo(k)fluoranthene	ND		ug/kg	120	40.	1
Chrysene	ND		ug/kg	120	41.	1
Acenaphthylene	ND		ug/kg	170	39.	1
Anthracene	ND		ug/kg	120	35.	1
Benzo(ghi)perylene	ND		ug/kg	170	43.	1
Fluorene	ND		ug/kg	210	60.	1
Phenanthrene	ND		ug/kg	120	41.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	40.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	46.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	470	69.	1
4-Chloroaniline	ND		ug/kg	210	55.	1
2-Nitroaniline	ND		ug/kg	210	59.	1
3-Nitroaniline	ND		ug/kg	210	57.	1
4-Nitroaniline	ND		ug/kg	210	56.	1
Dibenzofuran	ND		ug/kg	210	70.	1
2-Methylnaphthalene	ND		ug/kg	250	66.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	64.	1
Acetophenone	ND		ug/kg	210	64.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	60.	1
2-Chlorophenol	ND		ug/kg	210	63.	1
2,4-Dichlorophenol	ND		ug/kg	190	67.	1
2,4-Dimethylphenol	ND		ug/kg	210	62.	1
2-Nitrophenol	ND		ug/kg	450	65.	1
4-Nitrophenol	ND		ug/kg	290	67.	1
2,4-Dinitrophenol	ND		ug/kg	1000	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	76.	1
Pentachlorophenol	ND		ug/kg	170	44.	1
Phenol	ND		ug/kg	210	62.	1
2-Methylphenol	ND		ug/kg	210	67.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	68.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	67.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10 Date Collected: 04/28/15 14:25

Client ID: SB08_11.5-12.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	45.	1
Benzaldehyde	ND		ug/kg	270	84.	1
Caprolactam	ND		ug/kg	210	57.	1
Atrazine	ND		ug/kg	170	47.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	35.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	80		18-120

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11
Client ID: SB08_13.5-14.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/29/15 13:28
Analyst: PS
Percent Solids: 82%

Date Collected: 04/28/15 14:30
Date Received: 04/28/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
Benzidine	ND		ug/kg	670	160	1
n-Nitrosodimethylamine	ND		ug/kg	400	65.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	66.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	66.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	61.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	61.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	46.	1
Azobenzene	ND		ug/kg	200	54.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	71.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	61.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	67.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NDPA/DPA	ND		ug/kg	160	42.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	60.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	39.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11 Date Collected: 04/28/15 14:30

Client ID: SB08_13.5-14.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	51.	1
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	38.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	39.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	53.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	54.	1
Dibenzofuran	ND		ug/kg	200	67.	1
2-Methylnaphthalene	ND		ug/kg	240	64.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	61.	1
2,4-Dichlorophenol	ND		ug/kg	180	65.	1
2,4-Dimethylphenol	ND		ug/kg	200	60.	1
2-Nitrophenol	ND		ug/kg	440	63.	1
4-Nitrophenol	ND		ug/kg	280	65.	1
2,4-Dinitrophenol	ND		ug/kg	970	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	74.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	65.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	66.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	65.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11 Date Collected: 04/28/15 14:30

Client ID: SB08_13.5-14.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	43.	1
Benzaldehyde	ND		ug/kg	270	82.	1
Caprolactam	ND		ug/kg	200	56.	1
Atrazine	ND		ug/kg	160	46.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	90		18-120

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/15 09:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG780115-1					
Acenaphthene	ND		ug/kg	130	33.
Benzidine	ND		ug/kg	530	130
n-Nitrosodimethylamine	ND		ug/kg	320	52.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	97	30.
Bis(2-chloroethyl)ether	ND		ug/kg	140	45.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	41.
Fluoranthene	ND		ug/kg	97	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	49.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	43.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	29.
Isophorone	ND		ug/kg	140	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	140	38.
NDPA/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	42.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/15 09:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG780115-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	97	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	33.
Benzo(k)fluoranthene	ND		ug/kg	97	31.
Chrysene	ND		ug/kg	97	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	97	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	46.
Phenanthrene	ND		ug/kg	97	32.
Dibenzo(a,h)anthracene	ND		ug/kg	97	31.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	97	31.
Biphenyl	ND		ug/kg	370	53.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	190	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	97	30.
p-Chloro-m-cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/15 09:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG780115-1					
2,4-Dichlorophenol	ND		ug/kg	140	52.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	50.
4-Nitrophenol	ND		ug/kg	230	52.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	59.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	52.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	65.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/29/15 09:20
Analyst: PS

Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-11 Batch: WG780115-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	87		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG780115-2 WG780115-3								
Acenaphthene	73		81		31-137	10		50
Benzidine	39		40		10-66	3		50
n-Nitrosodimethylamine	64		68		22-100	6		50
1,2,4-Trichlorobenzene	69		77		38-107	11		50
Hexachlorobenzene	75		84		40-140	11		50
Bis(2-chloroethyl)ether	64		71		40-140	10		50
2-Chloronaphthalene	72		80		40-140	11		50
1,2-Dichlorobenzene	62		71		40-140	14		50
1,3-Dichlorobenzene	64		72		40-140	12		50
1,4-Dichlorobenzene	64		72		28-104	12		50
3,3'-Dichlorobenzidine	59		66		40-140	11		50
2,4-Dinitrotoluene	75		85		28-89	13		50
2,6-Dinitrotoluene	72		86		40-140	18		50
Fluoranthene	76		88		40-140	15		50
4-Chlorophenyl phenyl ether	75		86		40-140	14		50
4-Bromophenyl phenyl ether	80		89		40-140	11		50
Azobenzene	67		76		40-140	13		50
Bis(2-chloroisopropyl)ether	61		66		40-140	8		50
Bis(2-chloroethoxy)methane	65		74		40-117	13		50
Hexachlorobutadiene	78		85		40-140	9		50
Hexachlorocyclopentadiene	89		98		40-140	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG780115-2 WG780115-3								
Hexachloroethane	62		66		40-140	6		50
Isophorone	68		76		40-140	11		50
Naphthalene	70		75		40-140	7		50
Nitrobenzene	67		76		40-140	13		50
NitrosoDiPhenylAmine(NDPA)/DPA	73		85		36-157	15		50
n-Nitrosodi-n-propylamine	65		72		32-121	10		50
Bis(2-Ethylhexyl)phthalate	62		73		40-140	16		50
Butyl benzyl phthalate	70		77		40-140	10		50
Di-n-butylphthalate	70		79		40-140	12		50
Di-n-octylphthalate	63		73		40-140	15		50
Diethyl phthalate	69		81		40-140	16		50
Dimethyl phthalate	74		84		40-140	13		50
Benzo(a)anthracene	74		83		40-140	11		50
Benzo(a)pyrene	76		84		40-140	10		50
Benzo(b)fluoranthene	73		82		40-140	12		50
Benzo(k)fluoranthene	73		82		40-140	12		50
Chrysene	73		81		40-140	10		50
Acenaphthylene	75		84		40-140	11		50
Anthracene	78		86		40-140	10		50
Benzo(ghi)perylene	74		80		40-140	8		50
Fluorene	75		84		40-140	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG780115-2 WG780115-3								
Phenanthrene	76		86		40-140	12		50
Dibenzo(a,h)anthracene	73		80		40-140	9		50
Indeno(1,2,3-cd)Pyrene	75		82		40-140	9		50
Pyrene	78		86		35-142	10		50
Biphenyl	70		80		54-104	13		50
Aniline	49		52		40-140	6		50
4-Chloroaniline	66		72		40-140	9		50
2-Nitroaniline	76		86		47-134	12		50
3-Nitroaniline	61		67		26-129	9		50
4-Nitroaniline	73		81		41-125	10		50
Dibenzofuran	74		81		40-140	9		50
2-Methylnaphthalene	70		79		40-140	12		50
1,2,4,5-Tetrachlorobenzene	74		80		40-117	8		50
Acetophenone	66		73		14-144	10		50
2,4,6-Trichlorophenol	80		89		30-130	11		50
P-Chloro-M-Cresol	78		86		26-103	10		50
2-Chlorophenol	69		74		25-102	7		50
2,4-Dichlorophenol	79		85		30-130	7		50
2,4-Dimethylphenol	73		79		30-130	8		50
2-Nitrophenol	67		73		30-130	9		50
4-Nitrophenol	69		85		11-114	21		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG780115-2 WG780115-3								
2,4-Dinitrophenol	45		52		4-130	14		50
4,6-Dinitro-o-cresol	63		76		10-130	19		50
Pentachlorophenol	60		68		17-109	13		50
Phenol	68		75		26-90	10		50
2-Methylphenol	74		78		30-130.	5		50
3-Methylphenol/4-Methylphenol	73		78		30-130	7		50
2,4,5-Trichlorophenol	80		89		30-130	11		50
Benzoic Acid	17		21		10-66	21		50
Benzyl Alcohol	67		71		40-140	6		50
Carbazole	74		84		54-128	13		50
Benzaldehyde	64		70		40-140	9		50
Caprolactam	70		78		15-130	11		50
Atrazine	74		85		40-140	14		50
2,3,4,6-Tetrachlorophenol	80		89		40-140	11		50
Pyridine	45		46		10-93	2		50
Parathion, ethyl	72		81		40-140	12		50
1-Methylnaphthalene	66		72		26-130	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-11 Batch: WG780115-2 WG780115-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		72		25-120
Phenol-d6	68		72		10-120
Nitrobenzene-d5	58		65		23-120
2-Fluorobiphenyl	68		77		30-120
2,4,6-Tribromophenol	70		75		10-136
4-Terphenyl-d14	72		81		18-120

PCBS

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-01	Date Collected:	04/28/15 08:20
Client ID:	SB01_1.0-2.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 08:54	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	78%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.3	3.26	1	A
Aroclor 1221	ND		ug/kg	41.3	3.81	1	A
Aroclor 1232	ND		ug/kg	41.3	4.84	1	A
Aroclor 1242	ND		ug/kg	41.3	5.06	1	A
Aroclor 1248	ND		ug/kg	41.3	3.49	1	A
Aroclor 1254	ND		ug/kg	41.3	3.40	1	A
Aroclor 1260	ND		ug/kg	41.3	3.15	1	A
Aroclor 1262	ND		ug/kg	41.3	2.05	1	A
Aroclor 1268	ND		ug/kg	41.3	5.99	1	A
PCBs, Total	ND		ug/kg	41.3	2.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	45		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-02	Date Collected:	04/28/15 09:30
Client ID:	SB02_0.5-1.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 09:08	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	83%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.05	1	A
Aroclor 1221	ND		ug/kg	38.6	3.56	1	A
Aroclor 1232	ND		ug/kg	38.6	4.52	1	A
Aroclor 1242	ND		ug/kg	38.6	4.72	1	A
Aroclor 1248	ND		ug/kg	38.6	3.26	1	A
Aroclor 1254	ND		ug/kg	38.6	3.17	1	A
Aroclor 1260	ND		ug/kg	38.6	2.94	1	A
Aroclor 1262	ND		ug/kg	38.6	1.91	1	A
Aroclor 1268	ND		ug/kg	38.6	5.60	1	A
PCBs, Total	ND		ug/kg	38.6	1.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-03	Date Collected:	04/28/15 10:00
Client ID:	SB03_4.0-5.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 09:23	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.7	3.21	1	A
Aroclor 1221	ND		ug/kg	40.7	3.75	1	A
Aroclor 1232	ND		ug/kg	40.7	4.77	1	A
Aroclor 1242	ND		ug/kg	40.7	4.98	1	A
Aroclor 1248	ND		ug/kg	40.7	3.43	1	A
Aroclor 1254	ND		ug/kg	40.7	3.34	1	A
Aroclor 1260	ND		ug/kg	40.7	3.10	1	A
Aroclor 1262	ND		ug/kg	40.7	2.02	1	A
Aroclor 1268	ND		ug/kg	40.7	5.90	1	A
PCBs, Total	ND		ug/kg	40.7	2.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	40		30-150	B
Decachlorobiphenyl	34		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-04	Date Collected:	04/28/15 10:55
Client ID:	SB04_2.0-3.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3540C
Analytical Method:	1,8082A	Extraction Date:	04/29/15 14:50
Analytical Date:	04/30/15 10:19	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	04/30/15
Percent Solids:	85%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/30/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	74.5	5.89	2	A
Aroclor 1221	ND		ug/kg	74.5	6.87	2	A
Aroclor 1232	ND		ug/kg	74.5	8.73	2	A
Aroclor 1242	ND		ug/kg	74.5	9.12	2	A
Aroclor 1248	ND		ug/kg	74.5	6.29	2	A
Aroclor 1254	ND		ug/kg	74.5	6.13	2	A
Aroclor 1260	ND		ug/kg	74.5	5.68	2	A
Aroclor 1262	ND		ug/kg	74.5	3.70	2	A
Aroclor 1268	ND		ug/kg	74.5	10.8	2	A
PCBs, Total	ND		ug/kg	74.5	3.70	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-05	Date Collected:	04/28/15 11:35
Client ID:	SB05_5.0-6.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 10:56	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	86%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.0	3.00	1	A
Aroclor 1221	ND		ug/kg	38.0	3.50	1	A
Aroclor 1232	ND		ug/kg	38.0	4.45	1	A
Aroclor 1242	ND		ug/kg	38.0	4.65	1	A
Aroclor 1248	ND		ug/kg	38.0	3.21	1	A
Aroclor 1254	ND		ug/kg	38.0	3.12	1	A
Aroclor 1260	ND		ug/kg	38.0	2.90	1	A
Aroclor 1262	ND		ug/kg	38.0	1.88	1	A
Aroclor 1268	ND		ug/kg	38.0	5.51	1	A
PCBs, Total	ND		ug/kg	38.0	1.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-06	Date Collected:	04/28/15 12:35
Client ID:	SB06_0.5-1.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 11:10	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	75%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.8	3.46	1	A
Aroclor 1221	ND		ug/kg	43.8	4.04	1	A
Aroclor 1232	ND		ug/kg	43.8	5.13	1	A
Aroclor 1242	ND		ug/kg	43.8	5.36	1	A
Aroclor 1248	ND		ug/kg	43.8	3.70	1	A
Aroclor 1254	ND		ug/kg	43.8	3.60	1	A
Aroclor 1260	ND		ug/kg	43.8	3.34	1	A
Aroclor 1262	ND		ug/kg	43.8	2.17	1	A
Aroclor 1268	ND		ug/kg	43.8	6.35	1	A
PCBs, Total	ND		ug/kg	43.8	2.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	31		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	30		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-07	Date Collected:	04/28/15 13:30
Client ID:	SB07_1.0-2.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 11:25	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	04/29/15
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.4	3.35	1	A
Aroclor 1221	ND		ug/kg	42.4	3.90	1	A
Aroclor 1232	ND		ug/kg	42.4	4.96	1	A
Aroclor 1242	ND		ug/kg	42.4	5.18	1	A
Aroclor 1248	ND		ug/kg	42.4	3.58	1	A
Aroclor 1254	ND		ug/kg	42.4	3.48	1	A
Aroclor 1260	ND		ug/kg	42.4	3.23	1	A
Aroclor 1262	ND		ug/kg	42.4	2.10	1	A
Aroclor 1268	ND		ug/kg	42.4	6.14	1	A
PCBs, Total	ND		ug/kg	42.4	2.10	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**12**	Q	30-150	A
Decachlorobiphenyl	**13**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**10**	Q	30-150	B
Decachlorobiphenyl	**12**	Q	30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-07	RE	Date Collected:	04/28/15 13:30
Client ID:	SB07_1.0-2.0		Date Received:	04/28/15
Sample Location:	MANHATTAN, NY		Field Prep:	Not Specified
Matrix:	Soil		Extraction Method:	EPA 3540C
Analytical Method:	1,8082A		Extraction Date:	04/29/15 14:50
Analytical Date:	04/30/15 10:35		Cleanup Method:	EPA 3665A
Analyst:	JT		Cleanup Date:	04/30/15
Percent Solids:	74%		Cleanup Method:	EPA 3660B
			Cleanup Date:	04/30/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	88.2	6.97	2	A
Aroclor 1221	ND		ug/kg	88.2	8.13	2	A
Aroclor 1232	ND		ug/kg	88.2	10.3	2	A
Aroclor 1242	ND		ug/kg	88.2	10.8	2	A
Aroclor 1248	ND		ug/kg	88.2	7.44	2	A
Aroclor 1254	ND		ug/kg	88.2	7.25	2	A
Aroclor 1260	ND		ug/kg	88.2	6.72	2	A
Aroclor 1262	ND		ug/kg	88.2	4.37	2	A
Aroclor 1268	ND		ug/kg	88.2	12.8	2	A
PCBs, Total	ND		ug/kg	88.2	4.37	2	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**18**	Q	30-150	A
Decachlorobiphenyl	**29**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**22**	Q	30-150	B
Decachlorobiphenyl	**29**	Q	30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-08	Date Collected:	04/28/15 14:05
Client ID:	SB08_3.5-4.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 11:39	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.5	3.12	1	A
Aroclor 1221	ND		ug/kg	39.5	3.64	1	A
Aroclor 1232	ND		ug/kg	39.5	4.63	1	A
Aroclor 1242	ND		ug/kg	39.5	4.83	1	A
Aroclor 1248	ND		ug/kg	39.5	3.33	1	A
Aroclor 1254	ND		ug/kg	39.5	3.24	1	A
Aroclor 1260	ND		ug/kg	39.5	3.01	1	A
Aroclor 1262	ND		ug/kg	39.5	1.96	1	A
Aroclor 1268	ND		ug/kg	39.5	5.72	1	A
PCBs, Total	ND		ug/kg	39.5	1.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-09	Date Collected:	04/28/15 14:15
Client ID:	SB08_5.0-5.5	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 11:54	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	88%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	2.92	1	A
Aroclor 1221	ND		ug/kg	37.0	3.41	1	A
Aroclor 1232	ND		ug/kg	37.0	4.33	1	A
Aroclor 1242	ND		ug/kg	37.0	4.52	1	A
Aroclor 1248	ND		ug/kg	37.0	3.12	1	A
Aroclor 1254	ND		ug/kg	37.0	3.04	1	A
Aroclor 1260	ND		ug/kg	37.0	2.82	1	A
Aroclor 1262	ND		ug/kg	37.0	1.83	1	A
Aroclor 1268	ND		ug/kg	37.0	5.36	1	A
PCBs, Total	ND		ug/kg	37.0	1.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	37		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-10	Date Collected:	04/28/15 14:25
Client ID:	SB08_11.5-12.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 12:09	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	80%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.3	3.27	1	A
Aroclor 1221	ND		ug/kg	41.3	3.81	1	A
Aroclor 1232	ND		ug/kg	41.3	4.85	1	A
Aroclor 1242	ND		ug/kg	41.3	5.06	1	A
Aroclor 1248	ND		ug/kg	41.3	3.49	1	A
Aroclor 1254	ND		ug/kg	41.3	3.40	1	A
Aroclor 1260	ND		ug/kg	41.3	3.15	1	A
Aroclor 1262	ND		ug/kg	41.3	2.05	1	A
Aroclor 1268	ND		ug/kg	41.3	6.00	1	A
PCBs, Total	ND		ug/kg	41.3	2.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-11	Date Collected:	04/28/15 14:30
Client ID:	SB08_13.5-14.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 01:05
Analytical Date:	04/29/15 12:23	Cleanup Method:	EPA 3665A
Analyst:	TQ	Cleanup Date:	04/29/15
Percent Solids:	82%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.6	3.20	1	A
Aroclor 1221	ND		ug/kg	40.6	3.74	1	A
Aroclor 1232	ND		ug/kg	40.6	4.75	1	A
Aroclor 1242	ND		ug/kg	40.6	4.96	1	A
Aroclor 1248	ND		ug/kg	40.6	3.42	1	A
Aroclor 1254	ND		ug/kg	40.6	3.33	1	A
Aroclor 1260	ND		ug/kg	40.6	3.09	1	A
Aroclor 1262	ND		ug/kg	40.6	2.01	1	A
Aroclor 1268	ND		ug/kg	40.6	5.88	1	A
PCBs, Total	ND		ug/kg	40.6	2.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	48		30-150	B

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/29/15 09:52
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 04/29/15 01:05
Cleanup Method: EPA 3665A
Cleanup Date: 04/29/15
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,05-06,08-11 Batch: WG780117-1						
Aroclor 1016	ND		ug/kg	32.0	2.53	A
Aroclor 1221	ND		ug/kg	32.0	2.95	A
Aroclor 1232	ND		ug/kg	32.0	3.75	A
Aroclor 1242	ND		ug/kg	32.0	3.92	A
Aroclor 1248	ND		ug/kg	32.0	2.70	A
Aroclor 1254	ND		ug/kg	32.0	2.63	A
Aroclor 1260	ND		ug/kg	32.0	2.44	A
Aroclor 1262	ND		ug/kg	32.0	1.59	A
Aroclor 1268	ND		ug/kg	32.0	4.64	A
PCBs, Total	ND		ug/kg	32.0	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/30/15 10:51
Analyst: JT

Extraction Method: EPA 3540C
Extraction Date: 04/29/15 14:50
Cleanup Method: EPA 3665A
Cleanup Date: 04/30/15
Cleanup Method: EPA 3660B
Cleanup Date: 04/30/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,07 Batch: WG780344-1						
Aroclor 1016	ND		ug/kg	32.2	2.54	A
Aroclor 1221	ND		ug/kg	32.2	2.96	A
Aroclor 1232	ND		ug/kg	32.2	3.77	A
Aroclor 1242	ND		ug/kg	32.2	3.94	A
Aroclor 1248	ND		ug/kg	32.2	2.71	A
Aroclor 1254	ND		ug/kg	32.2	2.64	A
Aroclor 1260	ND		ug/kg	32.2	2.45	A
Aroclor 1262	ND		ug/kg	32.2	1.59	A
Aroclor 1268	ND		ug/kg	32.2	4.66	A
PCBs, Total	ND		ug/kg	32.2	1.59	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05-06,08-11 Batch: WG780117-2 WG780117-3									
Aroclor 1016	79		79		40-140	0		50	A
Aroclor 1260	64		68		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		69		30-150	A
Decachlorobiphenyl	54		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	B
Decachlorobiphenyl	43		47		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,07 Batch: WG780344-2 WG780344-3									
Aroclor 1016	70		84		40-140	18		50	A
Aroclor 1260	57		69		40-140	19		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		75		30-150	A
Decachlorobiphenyl	62		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		82		30-150	B
Decachlorobiphenyl	67		80		30-150	B

PESTICIDES

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-01	Date Collected:	04/28/15 08:20
Client ID:	SB01_1.0-2.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 11:57	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	78%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.95	0.381	1	A
Lindane	ND		ug/kg	0.811	0.363	1	A
Alpha-BHC	ND		ug/kg	0.811	0.230	1	A
Beta-BHC	ND		ug/kg	1.95	0.738	1	A
Heptachlor	ND		ug/kg	0.974	0.436	1	A
Aldrin	ND		ug/kg	1.95	0.686	1	A
Heptachlor epoxide	ND		ug/kg	3.65	1.10	1	A
Endrin	ND		ug/kg	0.811	0.333	1	A
Endrin ketone	ND		ug/kg	1.95	0.501	1	A
Dieldrin	ND		ug/kg	1.22	0.608	1	A
4,4'-DDE	ND		ug/kg	1.95	0.450	1	A
4,4'-DDD	ND		ug/kg	1.95	0.694	1	A
4,4'-DDT	ND		ug/kg	3.65	1.57	1	A
Endosulfan I	ND		ug/kg	1.95	0.460	1	A
Endosulfan II	ND		ug/kg	1.95	0.651	1	A
Endosulfan sulfate	ND		ug/kg	0.811	0.386	1	A
Methoxychlor	ND		ug/kg	3.65	1.14	1	A
Toxaphene	ND		ug/kg	36.5	10.2	1	A
cis-Chlordane	ND		ug/kg	2.43	0.678	1	A
trans-Chlordane	ND		ug/kg	2.43	0.643	1	A
Chlordane	ND		ug/kg	15.8	6.45	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	82		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-02	Date Collected:	04/28/15 09:30
Client ID:	SB02_0.5-1.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 12:13	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	83%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.768	0.343	1	A
Alpha-BHC	ND		ug/kg	0.768	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.699	1	A
Heptachlor	ND		ug/kg	0.922	0.413	1	A
Aldrin	ND		ug/kg	1.84	0.649	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.768	0.315	1	A
Endrin ketone	ND		ug/kg	1.84	0.475	1	A
Dieldrin	ND		ug/kg	1.15	0.576	1	A
4,4'-DDE	ND		ug/kg	1.84	0.426	1	A
4,4'-DDD	ND		ug/kg	1.84	0.658	1	A
4,4'-DDT	ND		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.436	1	A
Endosulfan II	ND		ug/kg	1.84	0.616	1	A
Endosulfan sulfate	ND		ug/kg	0.768	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.68	1	A
cis-Chlordane	ND		ug/kg	2.30	0.642	1	A
trans-Chlordane	ND		ug/kg	2.30	0.608	1	A
Chlordane	ND		ug/kg	15.0	6.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-03	Date Collected:	04/28/15 10:00
Client ID:	SB03_4.0-5.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 12:30	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.769	0.344	1	A
Alpha-BHC	ND		ug/kg	0.769	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.700	1	A
Heptachlor	ND		ug/kg	0.923	0.414	1	A
Aldrin	ND		ug/kg	1.84	0.650	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.769	0.315	1	A
Endrin ketone	ND		ug/kg	1.84	0.475	1	A
Dieldrin	ND		ug/kg	1.15	0.577	1	A
4,4'-DDE	ND		ug/kg	1.84	0.427	1	A
4,4'-DDD	ND		ug/kg	1.84	0.658	1	A
4,4'-DDT	ND		ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.436	1	A
Endosulfan II	ND		ug/kg	1.84	0.617	1	A
Endosulfan sulfate	ND		ug/kg	0.769	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.69	1	A
cis-Chlordane	ND		ug/kg	2.31	0.643	1	A
trans-Chlordane	ND		ug/kg	2.31	0.609	1	A
Chlordane	ND		ug/kg	15.0	6.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	118		30-150	B
2,4,5,6-Tetrachloro-m-xylene	46		30-150	A
Decachlorobiphenyl	123		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-04	Date Collected:	04/28/15 10:55
Client ID:	SB04_2.0-3.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 12:46	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	85%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.771	0.344	1	A
Alpha-BHC	ND		ug/kg	0.771	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.925	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.771	0.316	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.660	1	A
4,4'-DDT	ND		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.771	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.71	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.0	6.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	104		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-05	Date Collected:	04/28/15 11:35
Client ID:	SB05_5.0-6.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 13:02	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	86%		

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	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.79	0.678	1	A
Heptachlor	ND		ug/kg	0.893	0.400	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	0.744	0.305	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	ND		ug/kg	1.79	0.413	1	A
4,4'-DDD	ND		ug/kg	1.79	0.637	1	A
4,4'-DDT	ND		ug/kg	3.35	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	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	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.590	1	A
Chlordane	ND		ug/kg	14.5	5.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	56		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-06	Date Collected:	04/28/15 12:35
Client ID:	SB06_0.5-1.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 13:18	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	75%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.10	0.411	1	A
Lindane	ND		ug/kg	0.874	0.391	1	A
Alpha-BHC	ND		ug/kg	0.874	0.248	1	A
Beta-BHC	ND		ug/kg	2.10	0.796	1	A
Heptachlor	ND		ug/kg	1.05	0.470	1	A
Aldrin	ND		ug/kg	2.10	0.739	1	A
Heptachlor epoxide	ND		ug/kg	3.93	1.18	1	A
Endrin	ND		ug/kg	0.874	0.358	1	A
Endrin ketone	ND		ug/kg	2.10	0.540	1	A
Dieldrin	ND		ug/kg	1.31	0.656	1	A
4,4'-DDE	ND		ug/kg	2.10	0.485	1	A
4,4'-DDD	ND		ug/kg	2.10	0.748	1	A
4,4'-DDT	ND		ug/kg	3.93	1.69	1	A
Endosulfan I	ND		ug/kg	2.10	0.496	1	A
Endosulfan II	ND		ug/kg	2.10	0.701	1	A
Endosulfan sulfate	ND		ug/kg	0.874	0.416	1	A
Methoxychlor	ND		ug/kg	3.93	1.22	1	A
Toxaphene	ND		ug/kg	39.3	11.0	1	A
cis-Chlordane	ND		ug/kg	2.62	0.731	1	A
trans-Chlordane	ND		ug/kg	2.62	0.692	1	A
Chlordane	ND		ug/kg	17.0	6.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	**3730**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	**516**	Q	30-150	A
Decachlorobiphenyl	**3420**	Q	30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-07	Date Collected:	04/28/15 13:30
Client ID:	SB07_1.0-2.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 13:35	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	74%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.12	0.415	1	A
Lindane	ND		ug/kg	0.884	0.395	1	A
Alpha-BHC	ND		ug/kg	0.884	0.251	1	A
Beta-BHC	ND		ug/kg	2.12	0.804	1	A
Heptachlor	ND		ug/kg	1.06	0.475	1	A
Aldrin	ND		ug/kg	2.12	0.747	1	A
Heptachlor epoxide	ND		ug/kg	3.98	1.19	1	A
Endrin	ND		ug/kg	0.884	0.362	1	A
Endrin ketone	ND		ug/kg	2.12	0.546	1	A
Dieldrin	ND		ug/kg	1.32	0.663	1	A
4,4'-DDE	ND		ug/kg	2.12	0.490	1	A
4,4'-DDD	ND		ug/kg	2.12	0.756	1	A
4,4'-DDT	ND		ug/kg	3.98	1.70	1	A
Endosulfan I	ND		ug/kg	2.12	0.501	1	A
Endosulfan II	ND		ug/kg	2.12	0.709	1	A
Endosulfan sulfate	ND		ug/kg	0.884	0.421	1	A
Methoxychlor	ND		ug/kg	3.98	1.24	1	A
Toxaphene	ND		ug/kg	39.8	11.1	1	A
cis-Chlordane	ND		ug/kg	2.65	0.739	1	A
trans-Chlordane	ND		ug/kg	2.65	0.700	1	A
Chlordane	ND		ug/kg	17.2	7.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	**546**	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	112		30-150	A
Decachlorobiphenyl	**2790**	Q	30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-08	Date Collected:	04/28/15 14:05
Client ID:	SB08_3.5-4.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 13:51	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	84%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.651	1	A
Heptachlor epoxide	ND		ug/kg	3.47	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.16	0.578	1	A
4,4'-DDE	ND		ug/kg	1.85	0.427	1	A
4,4'-DDD	ND		ug/kg	1.85	0.659	1	A
4,4'-DDT	ND		ug/kg	3.47	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.437	1	A
Endosulfan II	ND		ug/kg	1.85	0.618	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.367	1	A
Methoxychlor	ND		ug/kg	3.47	1.08	1	A
Toxaphene	ND		ug/kg	34.7	9.70	1	A
cis-Chlordane	ND		ug/kg	2.31	0.644	1	A
trans-Chlordane	ND		ug/kg	2.31	0.610	1	A
Chlordane	ND		ug/kg	15.0	6.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-09	Date Collected:	04/28/15 14:15
Client ID:	SB08_5.0-5.5	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 14:08	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	88%		

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	0.326	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.663	1	A
Heptachlor	ND		ug/kg	0.874	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.616	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.983	1	A
Endrin	ND		ug/kg	0.728	0.299	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	ND		ug/kg	1.75	0.404	1	A
4,4'-DDD	ND		ug/kg	1.75	0.624	1	A
4,4'-DDT	ND		ug/kg	3.28	1.40	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.18	1	A
cis-Chlordane	ND		ug/kg	2.18	0.609	1	A
trans-Chlordane	ND		ug/kg	2.18	0.577	1	A
Chlordane	ND		ug/kg	14.2	5.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	73		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-10	Date Collected:	04/28/15 14:25
Client ID:	SB08_11.5-12.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 14:24	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	80%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.373	1	A
Lindane	ND		ug/kg	0.793	0.354	1	A
Alpha-BHC	ND		ug/kg	0.793	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.722	1	A
Heptachlor	ND		ug/kg	0.952	0.427	1	A
Aldrin	ND		ug/kg	1.90	0.670	1	A
Heptachlor epoxide	ND		ug/kg	3.57	1.07	1	A
Endrin	ND		ug/kg	0.793	0.325	1	A
Endrin ketone	ND		ug/kg	1.90	0.490	1	A
Dieldrin	ND		ug/kg	1.19	0.595	1	A
4,4'-DDE	ND		ug/kg	1.90	0.440	1	A
4,4'-DDD	ND		ug/kg	1.90	0.679	1	A
4,4'-DDT	ND		ug/kg	3.57	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.450	1	A
Endosulfan II	ND		ug/kg	1.90	0.636	1	A
Endosulfan sulfate	ND		ug/kg	0.793	0.378	1	A
Methoxychlor	ND		ug/kg	3.57	1.11	1	A
Toxaphene	ND		ug/kg	35.7	9.99	1	A
cis-Chlordane	ND		ug/kg	2.38	0.663	1	A
trans-Chlordane	ND		ug/kg	2.38	0.628	1	A
Chlordane	ND		ug/kg	15.5	6.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508860-11	Date Collected:	04/28/15 14:30
Client ID:	SB08_13.5-14.0	Date Received:	04/28/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8081B	Extraction Date:	04/29/15 00:55
Analytical Date:	04/29/15 14:40	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	04/29/15
Percent Solids:	82%		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.95	0.383	1	A
Lindane	ND		ug/kg	0.814	0.364	1	A
Alpha-BHC	ND		ug/kg	0.814	0.231	1	A
Beta-BHC	ND		ug/kg	1.95	0.741	1	A
Heptachlor	ND		ug/kg	0.977	0.438	1	A
Aldrin	ND		ug/kg	1.95	0.688	1	A
Heptachlor epoxide	ND		ug/kg	3.66	1.10	1	A
Endrin	ND		ug/kg	0.814	0.334	1	A
Endrin ketone	ND		ug/kg	1.95	0.503	1	A
Dieldrin	ND		ug/kg	1.22	0.611	1	A
4,4'-DDE	ND		ug/kg	1.95	0.452	1	A
4,4'-DDD	ND		ug/kg	1.95	0.697	1	A
4,4'-DDT	ND		ug/kg	3.66	1.57	1	A
Endosulfan I	ND		ug/kg	1.95	0.462	1	A
Endosulfan II	ND		ug/kg	1.95	0.653	1	A
Endosulfan sulfate	ND		ug/kg	0.814	0.388	1	A
Methoxychlor	ND		ug/kg	3.66	1.14	1	A
Toxaphene	ND		ug/kg	36.6	10.3	1	A
cis-Chlordane	ND		ug/kg	2.44	0.681	1	A
trans-Chlordane	ND		ug/kg	2.44	0.645	1	A
Chlordane	ND		ug/kg	15.9	6.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	52		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/29/15 11:08
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 04/29/15 00:55
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-11 Batch: WG780116-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.867	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	2.89	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.899	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.5	5.10	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	75		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	63		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG780116-2 WG780116-3									
Delta-BHC	76		78		30-150	3		30	A
Lindane	91		92		30-150	1		30	A
Alpha-BHC	99		102		30-150	3		30	A
Beta-BHC	119		110		30-150	8		30	A
Heptachlor	91		92		30-150	1		30	A
Aldrin	88		91		30-150	3		30	A
Heptachlor epoxide	82		85		30-150	4		30	A
Endrin	95		98		30-150	3		30	A
Endrin ketone	86		89		30-150	3		30	A
Dieldrin	88		91		30-150	3		30	A
4,4'-DDE	83		86		30-150	4		30	A
4,4'-DDD	85		88		30-150	3		30	A
4,4'-DDT	89		92		30-150	3		30	A
Endosulfan I	79		82		30-150	4		30	A
Endosulfan II	80		81		30-150	1		30	A
Endosulfan sulfate	82		84		30-150	2		30	A
Methoxychlor	112		116		30-150	4		30	A
cis-Chlordane	80		83		30-150	4		30	A
trans-Chlordane	85		90		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-11 Batch: WG780116-2 WG780116-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		79		30-150	B
Decachlorobiphenyl	70		73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		78		30-150	A
Decachlorobiphenyl	60		64		30-150	A

METALS

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01
Client ID: SB01_1.0-2.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 78%

Date Collected: 04/28/15 08:20
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.7	1.9	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Antimony, Total	1.4	J	mg/kg	4.8	0.77	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Arsenic, Total	13		mg/kg	0.97	0.19	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Barium, Total	67		mg/kg	0.97	0.29	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Beryllium, Total	0.28	J	mg/kg	0.48	0.10	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Cadmium, Total	0.25	J	mg/kg	0.97	0.07	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Calcium, Total	17000		mg/kg	9.7	2.9	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Chromium, Total	11		mg/kg	0.97	0.19	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Cobalt, Total	9.4		mg/kg	1.9	0.48	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Copper, Total	60		mg/kg	0.97	0.19	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Iron, Total	19000		mg/kg	4.8	1.9	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Lead, Total	200		mg/kg	4.8	0.19	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Magnesium, Total	1700		mg/kg	9.7	0.97	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Manganese, Total	240		mg/kg	0.97	0.19	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Mercury, Total	1.1		mg/kg	0.09	0.02	1	04/29/15 05:36	04/29/15 10:55	EPA 7471B	1,7471B	MC
Nickel, Total	18		mg/kg	2.4	0.39	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Potassium, Total	840		mg/kg	240	39.	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Selenium, Total	0.66	J	mg/kg	1.9	0.29	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.97	0.19	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Sodium, Total	480		mg/kg	190	29.	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.39	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Vanadium, Total	12		mg/kg	0.97	0.10	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG
Zinc, Total	85		mg/kg	4.8	0.68	2	04/29/15 09:03	04/29/15 11:17	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02
Client ID: SB02_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 83%

Date Collected: 04/28/15 09:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1600		mg/kg	9.4	1.9	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.7	0.75	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Arsenic, Total	3.3		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Barium, Total	18		mg/kg	0.94	0.28	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Beryllium, Total	0.09	J	mg/kg	0.47	0.09	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Cadmium, Total	0.21	J	mg/kg	0.94	0.07	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Calcium, Total	6400		mg/kg	9.4	2.8	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Chromium, Total	5.7		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Cobalt, Total	1.5	J	mg/kg	1.9	0.47	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Copper, Total	13		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Iron, Total	5200		mg/kg	4.7	1.9	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Lead, Total	90		mg/kg	4.7	0.19	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Magnesium, Total	770		mg/kg	9.4	0.94	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Manganese, Total	76		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Mercury, Total	0.06	J	mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:07	EPA 7471B	1,7471B	MC
Nickel, Total	4.0		mg/kg	2.4	0.38	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Potassium, Total	410		mg/kg	240	38.	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.28	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Sodium, Total	140	J	mg/kg	190	28.	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Vanadium, Total	6.4		mg/kg	0.94	0.09	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG
Zinc, Total	130		mg/kg	4.7	0.66	2	04/29/15 09:03	04/29/15 11:54	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03
Client ID: SB03_4.0-5.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 04/28/15 10:00
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3000		mg/kg	9.4	1.9	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Antimony, Total	5.5		mg/kg	4.7	0.76	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Arsenic, Total	11		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Barium, Total	62		mg/kg	0.94	0.28	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Beryllium, Total	0.17	J	mg/kg	0.47	0.09	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Cadmium, Total	0.20	J	mg/kg	0.94	0.07	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Calcium, Total	23000		mg/kg	9.4	2.8	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Chromium, Total	9.1		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Cobalt, Total	3.4		mg/kg	1.9	0.47	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Copper, Total	70		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Iron, Total	13000		mg/kg	4.7	1.9	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Lead, Total	3100		mg/kg	4.7	0.19	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Magnesium, Total	3500		mg/kg	9.4	0.94	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Manganese, Total	190		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Mercury, Total	0.16		mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:09	EPA 7471B	1,7471B	MC
Nickel, Total	11		mg/kg	2.4	0.38	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Potassium, Total	590		mg/kg	240	38.	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.9	0.28	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.94	0.19	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Sodium, Total	800		mg/kg	190	28.	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.9	0.38	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Vanadium, Total	16		mg/kg	0.94	0.09	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG
Zinc, Total	110		mg/kg	4.7	0.66	2	04/29/15 09:03	04/29/15 11:57	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04
Client ID: SB04_2.0-3.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 85%

Date Collected: 04/28/15 10:55
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	5500		mg/kg	8.9	1.8	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Antimony, Total	1.1	J	mg/kg	4.4	0.71	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Arsenic, Total	15		mg/kg	0.89	0.18	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Barium, Total	76		mg/kg	0.89	0.27	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Beryllium, Total	0.32	J	mg/kg	0.44	0.09	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Cadmium, Total	0.12	J	mg/kg	0.89	0.06	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Calcium, Total	14000		mg/kg	8.9	2.7	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Chromium, Total	15		mg/kg	0.89	0.18	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Cobalt, Total	5.6		mg/kg	1.8	0.44	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Copper, Total	54		mg/kg	0.89	0.18	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Iron, Total	15000		mg/kg	4.4	1.8	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Lead, Total	220		mg/kg	4.4	0.18	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Magnesium, Total	2800		mg/kg	8.9	0.89	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Manganese, Total	290		mg/kg	0.89	0.18	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Mercury, Total	0.88		mg/kg	0.07	0.02	1	04/29/15 05:36	04/29/15 11:11	EPA 7471B	1,7471B	MC
Nickel, Total	19		mg/kg	2.2	0.36	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Potassium, Total	1100		mg/kg	220	36.	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.89	0.18	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Sodium, Total	350		mg/kg	180	27.	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	0.89	0.09	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG
Zinc, Total	140		mg/kg	4.4	0.62	2	04/29/15 09:03	04/29/15 12:01	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05
Client ID: SB05_5.0-6.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 86%

Date Collected: 04/28/15 11:35
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	7800		mg/kg	9.0	1.8	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Antimony, Total	93		mg/kg	4.5	0.72	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Arsenic, Total	130		mg/kg	0.90	0.18	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Barium, Total	50		mg/kg	0.90	0.27	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Beryllium, Total	0.42	J	mg/kg	0.45	0.09	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Cadmium, Total	4.8		mg/kg	0.90	0.06	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Calcium, Total	4600		mg/kg	9.0	2.7	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Chromium, Total	10		mg/kg	0.90	0.18	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Cobalt, Total	8.5		mg/kg	1.8	0.45	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Copper, Total	42000		mg/kg	90	18.	200	04/29/15 09:03	04/29/15 13:53	EPA 3050B	1,6010C	MG
Iron, Total	19000		mg/kg	4.5	1.8	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Lead, Total	1300		mg/kg	450	18.	200	04/29/15 09:03	04/29/15 13:53	EPA 3050B	1,6010C	MG
Magnesium, Total	2100		mg/kg	9.0	0.90	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Manganese, Total	260		mg/kg	0.90	0.18	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Mercury, Total	1.7		mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:13	EPA 7471B	1,7471B	MC
Nickel, Total	46		mg/kg	2.2	0.36	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Potassium, Total	1000		mg/kg	220	36.	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Selenium, Total	1.8		mg/kg	1.8	0.27	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Silver, Total	41		mg/kg	0.90	0.18	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Sodium, Total	670		mg/kg	180	27.	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Vanadium, Total	13		mg/kg	0.90	0.09	2	04/29/15 09:03	04/29/15 12:05	EPA 3050B	1,6010C	MG
Zinc, Total	4000		mg/kg	450	63.	200	04/29/15 09:03	04/29/15 13:53	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06
Client ID: SB06_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 75%

Date Collected: 04/28/15 12:35
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	10	2.1	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Antimony, Total	1.6	J	mg/kg	5.2	0.83	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Arsenic, Total	10		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Barium, Total	160		mg/kg	1.0	0.31	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Beryllium, Total	0.26	J	mg/kg	0.52	0.10	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Cadmium, Total	0.38	J	mg/kg	1.0	0.07	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Calcium, Total	32000		mg/kg	10	3.1	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Cobalt, Total	4.5		mg/kg	2.1	0.52	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Copper, Total	39		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Iron, Total	9800		mg/kg	5.2	2.1	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Lead, Total	230		mg/kg	5.2	0.21	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Magnesium, Total	3200		mg/kg	10	1.0	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Manganese, Total	180		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Mercury, Total	0.80		mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:15	EPA 7471B	1,7471B	MC
Nickel, Total	14		mg/kg	2.6	0.41	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Potassium, Total	840		mg/kg	260	41.	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Selenium, Total	1.2	J	mg/kg	2.1	0.31	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Sodium, Total	840		mg/kg	210	31.	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.1	0.41	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Vanadium, Total	14		mg/kg	1.0	0.10	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG
Zinc, Total	210		mg/kg	5.2	0.72	2	04/29/15 09:03	04/29/15 12:09	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07 Date Collected: 04/28/15 13:30

Client ID: SB07_1.0-2.0 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	10	2.1	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Antimony, Total	1.2	J	mg/kg	5.3	0.84	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Arsenic, Total	12		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Barium, Total	120		mg/kg	1.0	0.32	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Beryllium, Total	0.22	J	mg/kg	0.53	0.10	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Cadmium, Total	0.39	J	mg/kg	1.0	0.07	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Calcium, Total	50000		mg/kg	10	3.2	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Chromium, Total	18		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Cobalt, Total	4.1		mg/kg	2.1	0.53	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Copper, Total	44		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Iron, Total	12000		mg/kg	5.3	2.1	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Lead, Total	460		mg/kg	5.3	0.21	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Magnesium, Total	4200		mg/kg	10	1.0	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Manganese, Total	250		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Mercury, Total	0.53		mg/kg	0.09	0.02	1	04/29/15 05:36	04/29/15 11:16	EPA 7471B	1,7471B	MC
Nickel, Total	17		mg/kg	2.6	0.42	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Potassium, Total	690		mg/kg	260	42.	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Selenium, Total	0.74	J	mg/kg	2.1	0.32	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	1.0	0.21	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Sodium, Total	720		mg/kg	210	32.	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.1	0.42	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Vanadium, Total	17		mg/kg	1.0	0.10	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG
Zinc, Total	220		mg/kg	5.3	0.74	2	04/29/15 09:03	04/29/15 12:12	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08
Client ID: SB08_3.5-4.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 84%

Date Collected: 04/28/15 14:05
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1800		mg/kg	9.1	1.8	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.73	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Arsenic, Total	1.8		mg/kg	0.91	0.18	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Barium, Total	18		mg/kg	0.91	0.27	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Beryllium, Total	0.10	J	mg/kg	0.46	0.09	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.91	0.06	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Calcium, Total	5300		mg/kg	9.1	2.7	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Chromium, Total	4.5		mg/kg	0.91	0.18	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Cobalt, Total	1.7	J	mg/kg	1.8	0.46	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Copper, Total	6.1		mg/kg	0.91	0.18	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Iron, Total	3800		mg/kg	4.6	1.8	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Lead, Total	44		mg/kg	4.6	0.18	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Magnesium, Total	690		mg/kg	9.1	0.91	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Manganese, Total	110		mg/kg	0.91	0.18	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Mercury, Total	0.05	J	mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:18	EPA 7471B	1,7471B	MC
Nickel, Total	4.8		mg/kg	2.3	0.36	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Potassium, Total	470		mg/kg	230	36.	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.27	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.91	0.18	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Sodium, Total	300		mg/kg	180	27.	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.36	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Vanadium, Total	4.5		mg/kg	0.91	0.09	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG
Zinc, Total	11		mg/kg	4.6	0.64	2	04/29/15 09:03	04/29/15 12:35	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09 Date Collected: 04/28/15 14:15

Client ID: SB08_5.0-5.5 Date Received: 04/28/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Matrix: Soil

Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3600		mg/kg	8.8	1.8	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.4	0.70	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Arsenic, Total	6.0		mg/kg	0.88	0.18	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Barium, Total	56		mg/kg	0.88	0.26	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Beryllium, Total	0.24	J	mg/kg	0.44	0.09	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.88	0.06	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Calcium, Total	15000		mg/kg	8.8	2.6	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Chromium, Total	11		mg/kg	0.88	0.18	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Cobalt, Total	4.4		mg/kg	1.8	0.44	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Copper, Total	23		mg/kg	0.88	0.18	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Iron, Total	11000		mg/kg	4.4	1.8	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Lead, Total	180		mg/kg	4.4	0.18	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Magnesium, Total	1800		mg/kg	8.8	0.88	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Manganese, Total	220		mg/kg	0.88	0.18	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Mercury, Total	0.23		mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:20	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.2	0.35	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Potassium, Total	990		mg/kg	220	35.	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.26	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.88	0.18	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Sodium, Total	690		mg/kg	180	26.	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.35	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Vanadium, Total	13		mg/kg	0.88	0.09	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG
Zinc, Total	47		mg/kg	4.4	0.62	2	04/29/15 09:03	04/29/15 12:38	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10
Client ID: SB08_11.5-12.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 80%

Date Collected: 04/28/15 14:25
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4800		mg/kg	9.8	2.0	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.9	0.79	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Arsenic, Total	3.9		mg/kg	0.98	0.20	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Barium, Total	30		mg/kg	0.98	0.30	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Beryllium, Total	0.30	J	mg/kg	0.49	0.10	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.98	0.07	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Calcium, Total	750		mg/kg	9.8	3.0	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Chromium, Total	16		mg/kg	0.98	0.20	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Cobalt, Total	4.6		mg/kg	2.0	0.49	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Copper, Total	12		mg/kg	0.98	0.20	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Iron, Total	10000		mg/kg	4.9	2.0	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Lead, Total	10		mg/kg	4.9	0.20	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Magnesium, Total	2200		mg/kg	9.8	0.98	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Manganese, Total	87		mg/kg	0.98	0.20	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:26	EPA 7471B	1,7471B	MC
Nickel, Total	26		mg/kg	2.5	0.39	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Potassium, Total	840		mg/kg	250	39.	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	2.0	0.30	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.98	0.20	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Sodium, Total	290		mg/kg	200	30.	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	2.0	0.39	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Vanadium, Total	15		mg/kg	0.98	0.10	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG
Zinc, Total	15		mg/kg	4.9	0.69	2	04/29/15 09:03	04/29/15 12:42	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11
Client ID: SB08_13.5-14.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 82%

Date Collected: 04/28/15 14:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2900		mg/kg	9.2	1.8	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Antimony, Total	ND		mg/kg	4.6	0.74	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Arsenic, Total	2.8		mg/kg	0.92	0.18	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Barium, Total	24		mg/kg	0.92	0.28	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Beryllium, Total	0.17	J	mg/kg	0.46	0.09	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.92	0.07	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Calcium, Total	5700		mg/kg	9.2	2.8	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Chromium, Total	10		mg/kg	0.92	0.18	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Cobalt, Total	3.3		mg/kg	1.8	0.46	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Copper, Total	8.5		mg/kg	0.92	0.18	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Iron, Total	7400		mg/kg	4.6	1.8	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Lead, Total	61		mg/kg	4.6	0.18	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Magnesium, Total	1500		mg/kg	9.2	0.92	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Manganese, Total	220		mg/kg	0.92	0.18	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Mercury, Total	0.06	J	mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 11:28	EPA 7471B	1,7471B	MC
Nickel, Total	12		mg/kg	2.3	0.37	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Potassium, Total	690		mg/kg	230	37.	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Selenium, Total	ND		mg/kg	1.8	0.28	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Silver, Total	ND		mg/kg	0.92	0.18	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Sodium, Total	320		mg/kg	180	28.	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Thallium, Total	ND		mg/kg	1.8	0.37	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Vanadium, Total	9.7		mg/kg	0.92	0.09	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG
Zinc, Total	13		mg/kg	4.6	0.65	2	04/29/15 09:03	04/29/15 12:46	EPA 3050B	1,6010C	MG

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508860

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-11 Batch: WG780138-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/29/15 05:36	04/29/15 10:40	1,7471B	MC

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-11 Batch: WG780209-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Antimony, Total	ND		mg/kg	2.0	0.32	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Arsenic, Total	ND		mg/kg	0.40	0.08	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Barium, Total	ND		mg/kg	0.40	0.12	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Beryllium, Total	ND		mg/kg	0.20	0.04	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Cadmium, Total	ND		mg/kg	0.40	0.03	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Calcium, Total	1.2	J	mg/kg	4.0	1.2	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Cobalt, Total	ND		mg/kg	0.80	0.20	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Copper, Total	0.12	J	mg/kg	0.40	0.08	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Iron, Total	ND		mg/kg	2.0	0.80	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Lead, Total	ND		mg/kg	2.0	0.08	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Magnesium, Total	ND		mg/kg	4.0	0.40	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Manganese, Total	ND		mg/kg	0.40	0.08	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Potassium, Total	ND		mg/kg	100	16.	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Selenium, Total	0.12	J	mg/kg	0.80	0.12	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Silver, Total	ND		mg/kg	0.40	0.08	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Sodium, Total	ND		mg/kg	80	12.	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Thallium, Total	ND		mg/kg	0.80	0.16	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Vanadium, Total	ND		mg/kg	0.40	0.04	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG
Zinc, Total	ND		mg/kg	2.0	0.28	1	04/29/15 09:03	04/29/15 11:50	1,6010C	MG

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 Batch: WG780138-2 SRM Lot Number: D083-540								
Mercury, Total	103		-		75-126	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 Batch: WG780209-2 SRM Lot Number: D083-540					
Aluminum, Total	86	-	51-148	-	
Antimony, Total	190	-	1-210	-	
Arsenic, Total	106	-	78-122	-	
Barium, Total	102	-	82-117	-	
Beryllium, Total	99	-	82-118	-	
Cadmium, Total	92	-	82-118	-	
Calcium, Total	93	-	82-118	-	
Chromium, Total	98	-	79-121	-	
Cobalt, Total	94	-	83-117	-	
Copper, Total	100	-	80-120	-	
Iron, Total	106	-	47-153	-	
Lead, Total	100	-	81-119	-	
Magnesium, Total	89	-	75-124	-	
Manganese, Total	102	-	81-119	-	
Nickel, Total	92	-	82-118	-	
Potassium, Total	96	-	70-130	-	
Selenium, Total	102	-	78-123	-	
Silver, Total	99	-	74-125	-	
Sodium, Total	98	-	70-130	-	
Thallium, Total	95	-	78-122	-	
Vanadium, Total	101	-	65-135	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508860

Report Date: 06/05/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 Batch: WG780209-2 SRM Lot Number: D083-540					
Zinc, Total	97	-	80-121	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG780138-4 QC Sample: L1508860-01 Client ID: SB01_1.0-2.0												
Mercury, Total	1.1	0.172	1.3	116		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG780209-4 QC Sample: L1508643-01 Client ID: MS Sample										
Aluminum, Total	6500	172	7100	**349**	Q	-	-	75-125	-	20
Antimony, Total	0.55J	43	37	86		-	-	75-125	-	20
Arsenic, Total	7.3	10.3	18	104		-	-	75-125	-	20
Barium, Total	280	172	330	**29**	Q	-	-	75-125	-	20
Beryllium, Total	0.37	4.3	4.0	84		-	-	75-125	-	20
Cadmium, Total	0.18J	4.39	4.0	91		-	-	75-125	-	20
Calcium, Total	8000	860	8800	93		-	-	75-125	-	20
Chromium, Total	14.	17.2	33	110		-	-	75-125	-	20
Cobalt, Total	4.5	43	40	82		-	-	75-125	-	20
Copper, Total	23.	21.5	43	93		-	-	75-125	-	20
Iron, Total	13000	86	14000	**1160**	Q	-	-	75-125	-	20
Lead, Total	94.	43.9	110	**36**	Q	-	-	75-125	-	20
Magnesium, Total	1900	860	2500	**70**	Q	-	-	75-125	-	20
Manganese, Total	250	43	300	116		-	-	75-125	-	20
Nickel, Total	11.	43	45	79		-	-	75-125	-	20
Potassium, Total	910	860	1700	92		-	-	75-125	-	20
Selenium, Total	0.23J	10.3	9.3	90		-	-	75-125	-	20
Silver, Total	ND	25.8	21	81		-	-	75-125	-	20
Sodium, Total	160	860	930	89		-	-	75-125	-	20
Thallium, Total	ND	10.3	7.6	**74**	Q	-	-	75-125	-	20
Vanadium, Total	22.	43	64	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG780209-4 QC Sample: L1508643-01 Client ID: MS Sample										
Zinc, Total	140	43	160	**46**	Q	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG780138-3 QC Sample: L1508860-01 Client ID: SB01_1.0-2.0						
Mercury, Total	1.1	1.6	mg/kg	**37**	Q	20
Total Metals - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG780209-3 QC Sample: L1508643-01 Client ID: DUP Sample						
Arsenic, Total	7.3	8.7	mg/kg	18		20
Barium, Total	280	220	mg/kg	**24**	Q	20
Beryllium, Total	0.37	0.34	mg/kg	8		20
Cadmium, Total	0.18J	0.18J	mg/kg	NC		20
Chromium, Total	14.	14	mg/kg	0		20
Iron, Total	13000	17000	mg/kg	**27**	Q	20
Lead, Total	94.	93	mg/kg	1		20
Nickel, Total	11.	11	mg/kg	0		20
Selenium, Total	0.23J	0.13J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	22.	24	mg/kg	9		20
Zinc, Total	140	140	mg/kg	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-01
Client ID: SB01_1.0-2.0
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/28/15 08:20
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.2		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-02
Client ID: SB02_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/28/15 09:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-03
Client ID: SB03_4.0-5.0
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/28/15 10:00
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.8		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-04
Client ID: SB04_2.0-3.0
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/28/15 10:55
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-05
Client ID: SB05_5.0-6.0
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/28/15 11:35
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.6		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-06
Client ID: SB06_0.5-1.0
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/28/15 12:35
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.9		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-07
Client ID: SB07_1.0-2.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Date Collected: 04/28/15 13:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.1		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-08
Client ID: SB08_3.5-4.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Date Collected: 04/28/15 14:05
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-09
Client ID: SB08_5.0-5.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Date Collected: 04/28/15 14:15
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-10
Client ID: SB08_11.5-12.0
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/28/15 14:25
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508860
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508860-11
Client ID: SB08_13.5-14.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Date Collected: 04/28/15 14:30
Date Received: 04/28/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.7		%	0.100	NA	1	-	04/29/15 00:09	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-11 QC Batch ID: WG780105-1 QC Sample: L1508754-01 Client ID: DUP Sample						
Solids, Total	93.6	92.6	%	1		20

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/28/2015 23:43

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508860-01A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-01B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-01C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1508860-01E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-02A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-02B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-02C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1508860-02E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-03A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-03B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-03C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508860-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1508860-03E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-04A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-04B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-04C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-04D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1508860-04E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-05A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-05B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-05C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-05D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1508860-05E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-06A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-06B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-06C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-06D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508860-06E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-07A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-07B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-07C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-07D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1508860-07E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-08A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-08B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-08C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-08E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-09A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-09B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-09C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-09D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508860-09E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-10A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-10B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-10C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-10D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1508860-10E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1508860-11A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-11B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-11C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1508860-11E	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TS(7),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

Container Comments

L1508860-03D

L1508860-03E

L1508860-05E

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508860
Report Date: 06/05/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)

Container Comments

L1508860-06A

L1508860-07A

L1508860-08A

L1508860-09A

L1508860-10A

L1508860-11A

*Values in parentheses indicate holding time in days

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1508860
Project Number:	170361501	**Report Date:**	06/05/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
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.

Footnotes

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

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1508860
Project Number:	170361501	**Report Date:**	06/05/15

Data Qualifiers

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:	440 WASHINGTON STREET	**Lab Number:**	L1508860
Project Number:	170361501	**Report Date:**	06/05/15

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

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

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Date Rec'd in Lab

ALPHA Job #

Client Information

Client: Langan
Address: 360 W 31st Street, 8th Floor
Manhattan, NY 10001-2727
Phone: (212)47-5479
Fax:
Email: bgochenaur@langan.com

Project Information

Project Name: 432 Washington Street
Project Location: Manhattan, NY
Project # 170361501
(Use Project name as Project #) ☐
Project Manager: Brian Gochenaur
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days: 1 Day

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☑ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO # 170361501

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ **Done**
☐ **Lab to do**
Preservation
☐ **Lab to do**
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	TAL Metals	PCBs	Pesticides				Total Bottles	Sample Specific Comments
	SB01_1.0-2.0	4/28/2015	8:20	soil	KC	x	x	x	x	x					
	SB02_0.5-1.0	4/28/2015	9:30	soil	KC	x	x	x	x	x					
	SB03_4.0-5.0	4/28/2015	10:00	soil	KC	x	x	x	x	x					
	SB04_2.0-3.0	4/28/2015	10:55	soil	KC	x	x	x	x	x					
	SB05_5.0-6.0	4/28/2015	11:35	soil	KC	x	x	x	x	x					
	SB06_0.5-1.0	4/28/2015	12:35	soil	KC	x	x	x	x	x					
	SB07_1.0-2.0	4/28/2015	13:30	soil	KC	x	x	x	x	x					
	SB08_3.5-4.0	4/28/2015	14:05	soil	KC	x	x	x	x	x					
	SB08_5.0-5.5	4/28/2015	14:15	soil	KC	x	x	x	x	x					
	SB08_11.5-12.0	4/28/2015	14:25	soil	KC	x	x	x	x	x					
					Container Type										
					Preservative										

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time

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.

Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Date Rec'd in Lab

ALPHA Job #

Client Information

Client: Langan
Address: 360 W 31st Street, 8th Floor
Manhattan, NY 10001-2727
Phone: (212)47-5479
Fax:
Email: bgochenaur@langan.com

Project Information

Project Name: 432 Washington Street
Project Location: Manhattan, NY
Project # 170361501
(Use Project name as Project #) ☐
Project Manager: Brian Gochenaur
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days: 1 Day

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☑ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☑ Same as Client Info
PO # 170361501

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ **Done**
☐ **Lab to do**
Preservation
☐ **Lab to do**
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	TAL Metals	PCBs	Pesticides				Total Bottles	Sample Specific Comments
	SB08_13.5-14.0	4/28/2015	14:30	soil	KC	x	x	x	x	x					

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time

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Form No: 01-25 (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 4/28/15

ALPHA Job #: L1508600

Client Information
Client: Langan
Address: 360 W 31st Street
Manhattan NY 10001-2727
Phone: (212) 479-5479
Fax:
Email: bgochenaur@langan.com

Project Information
Project Name: 432 Washington Street
Project Location: Manhattan, NY
Project #: 170361501
(Use Project name as Project #) ☐
Project Manager: Brian Gochenaur
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date: 4/29/15
Rush (only if pre approved) ☒ # of Days: 24 hrs

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Standard only

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO # 170361501

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Some samples do not have volume for TS
please proceed without TS, or use other volume

Please specify Metals or TAL.

ANALYSIS
TCL/Part 375 VOCs | TCL/Part 375 SVOCs | TAL Metals | PCBs | Pesticides

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/Part 375 VOCs	TCL/Part 375 SVOCs	TAL Metals	PCBs	Pesticides	Sample Specific Comments
08600-01	SB01_1.0-2.0	4/28/15	0820	soil	KC	X				X	
02	SB02_0.5-1.0		0930		KC	X				X	
03	SB03_4.0-5.0		1000		KC	X				X	
04	SB04_2.0-3.0		1055		KC	X				X	
05	SB05_5.0-6.0		1135		KC	X				X	
06	SB06_0.5-1.0		1235		KC	X				X	
07	SB07_1.0-2.0		1330		KC	X				X	
08	SB08_3.5-4.0		1405		KC	X				X	
09	SB08_5.0-5.5		1415		KC	X				X	
10	SB08_11.5-12.0		1425		KC	X				X	

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type
Preservative

Relinquished By:	Date/Time	Received By:	Date/Time
Kevin Cullen	4/29/15 1530		4/28/15 1530
	4-28-15 1820	Tom Tobin	4-28-15 1820
Tom Tobin	4-28-15 2310	Willis McElhaney	4/28/15 2310

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 4/28/15

ALPHA Job #: L1508800

Client Information
Client: Langan
Address: 360 W 31st Street, 8 flr
Manhattan, NY 10001-2727
Phone: (212) 479-5479
Fax:
Email: bgochenaur@langan.com

Project Information
Project Name: 432 Washington Street
Project Location: Manhattan, NY
Project #: 170361501
(Use Project name as Project #)
Project Manager: Brian Gochenaur
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date: 4/29/15
# of Days: 24-hr

Deliverables
- ASP-A
- ASP-B
- EQuIS (1 File)
- EQuIS (4 File)
- Other: Standard only

Regulatory Requirement
- NY TOGS
- NY Part 375
- AWQ Standards
- NY CP-51
- NY Restricted Use
- Other
- NY Unrestricted Use
- NYC Sewer Discharge

Billing Information
Same as Client Info
PO # 170361501

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ NY
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:
Some samples do not have volume for TS
please proceed without TS, - use other volum

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL/Part 375 VOCs	TCL/Part 375 SVOCs	TAL Metals	PCBs	Pesticides	Total Bottle	Sample Specific Comments
08800-11	SB08 – 13.5-14.0	4/28/15	1430	soil	KC	X				X		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type											
Preservative											

Relinquished By:	Date/Time	Received By:	Date/Time
Kevin Cullen	4/28/15 1530		4/28/2015 1530
	4-28-15 1820		4-28-15 1820
	4-28-15 2310		4/28/15 2310

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1508897
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brian Gochenaur
Phone:	(212) 479-5590
Project Name:	440 WASHINGTON STREET
Project Number:	170361501
Report Date:	06/05/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1508897-01	SB09_1.0-1.5	SOIL	MANHATTAN, NY	04/29/15 07:50	04/29/15

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1508897
Project Number:	170361501	**Report Date:**	06/05/15

Case Narrative (continued)

Report Submission

This report replaces the report issued April 30, 2015. The project name was changed.

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

Semivolatile Organics

L1508897-01 has elevated detection limits due to the dilution required by the sample matrix.

Metals

L1508897-01 has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG780463-4 MS recoveries for aluminum (648%), calcium (1060%), and iron (0%), performed on L1508897-01, do not apply because the sample concentrations are greater than four times the spike amount added.

The WG780463-4 MS recoveries, performed on L1508897-01, are outside the acceptance criteria for lead (53%), magnesium (189%), manganese (142%), sodium (136%), thallium (69%), and zinc (24%). A post digestion spike was performed and yielded unacceptable recoveries for magnesium (70%), manganese (70%), and zinc (70%); all other compounds were within acceptance criteria. This has been attributed to sample matrix.

The WG780463-3 Laboratory Duplicate RPDs, performed on L1508897-01, are outside the acceptance criteria for aluminum (24%), calcium (63%), copper (26%), lead (35%), magnesium (76%), manganese (48%), and vanadium (47%). The elevated RPDs have been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

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: 06/05/15

ORGANICS

VOLATILES

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01
Client ID: SB09_1.0-1.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/15 08:24
Analyst: BN
Percent Solids: 92%

Date Collected: 04/29/15 07:50
Date Received: 04/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	570	63.	1
1,1-Dichloroethane	ND		ug/kg	85	4.9	1
Chloroform	ND		ug/kg	85	21.	1
Carbon tetrachloride	ND		ug/kg	57	12.	1
1,2-Dichloropropane	ND		ug/kg	200	13.	1
Dibromochloromethane	ND		ug/kg	57	8.7	1
1,1,2-Trichloroethane	ND		ug/kg	85	17.	1
Tetrachloroethene	17	J	ug/kg	57	8.0	1
Chlorobenzene	ND		ug/kg	57	20.	1
Trichlorofluoromethane	ND		ug/kg	280	22.	1
1,2-Dichloroethane	ND		ug/kg	57	6.4	1
1,1,1-Trichloroethane	ND		ug/kg	57	6.3	1
Bromodichloromethane	ND		ug/kg	57	9.9	1
trans-1,3-Dichloropropene	ND		ug/kg	57	6.9	1
cis-1,3-Dichloropropene	ND		ug/kg	57	6.7	1
1,1-Dichloropropene	ND		ug/kg	280	8.0	1
Bromoform	ND		ug/kg	230	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	57	5.7	1
Benzene	ND		ug/kg	57	6.7	1
Toluene	34	J	ug/kg	85	11.	1
Ethylbenzene	ND		ug/kg	57	7.2	1
Chloromethane	ND		ug/kg	280	17.	1
Bromomethane	ND		ug/kg	110	19.	1
Vinyl chloride	ND		ug/kg	110	6.7	1
Chloroethane	ND		ug/kg	110	18.	1
1,1-Dichloroethene	ND		ug/kg	57	15.	1
trans-1,2-Dichloroethene	ND		ug/kg	85	12.	1
Trichloroethene	ND		ug/kg	57	7.1	1
1,2-Dichlorobenzene	ND		ug/kg	280	8.7	1
1,3-Dichlorobenzene	ND		ug/kg	280	7.7	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01 Date Collected: 04/29/15 07:50

Client ID: SB09_1.0-1.5 Date Received: 04/29/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,4-Dichlorobenzene	ND		ug/kg	280	7.9	1
Methyl tert butyl ether	ND		ug/kg	110	4.8	1
p/m-Xylene	30	J	ug/kg	110	11.	1
o-Xylene	13	J	ug/kg	110	9.8	1
cis-1,2-Dichloroethene	ND		ug/kg	57	8.1	1
Dibromomethane	ND		ug/kg	570	9.3	1
Styrene	ND		ug/kg	110	23.	1
Dichlorodifluoromethane	ND		ug/kg	570	11.	1
Acetone	ND		ug/kg	570	59.	1
Carbon disulfide	ND		ug/kg	570	63.	1
2-Butanone	ND		ug/kg	570	15.	1
Vinyl acetate	ND		ug/kg	570	7.5	1
4-Methyl-2-pentanone	ND		ug/kg	570	14.	1
1,2,3-Trichloropropane	ND		ug/kg	570	9.3	1
2-Hexanone	ND		ug/kg	570	38.	1
Bromochloromethane	ND		ug/kg	280	16.	1
2,2-Dichloropropane	ND		ug/kg	280	13.	1
1,2-Dibromoethane	ND		ug/kg	230	9.9	1
1,3-Dichloropropane	ND		ug/kg	280	8.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	57	18.	1
Bromobenzene	ND		ug/kg	280	12.	1
n-Butylbenzene	ND		ug/kg	57	6.5	1
sec-Butylbenzene	ND		ug/kg	57	6.9	1
tert-Butylbenzene	ND		ug/kg	280	7.7	1
o-Chlorotoluene	ND		ug/kg	280	9.1	1
p-Chlorotoluene	ND		ug/kg	280	7.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	280	22.	1
Hexachlorobutadiene	ND		ug/kg	280	13.	1
Isopropylbenzene	ND		ug/kg	57	5.9	1
p-Isopropyltoluene	ND		ug/kg	57	7.1	1
Naphthalene	14	J	ug/kg	280	7.9	1
Acrylonitrile	ND		ug/kg	570	29.	1
Tert-Butyl Alcohol	ND		ug/kg	3400	170	1
n-Propylbenzene	10	J	ug/kg	57	6.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	280	8.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	280	10.	1
1,3,5-Trimethylbenzene	14	J	ug/kg	280	8.2	1
1,2,4-Trimethylbenzene	68	J	ug/kg	280	8.0	1
Methyl Acetate	27000	E	ug/kg	1100	15.	1

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01 Date Collected: 04/29/15 07:50

Client ID: SB09_1.0-1.5 Date Received: 04/29/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Acrolein	ND		ug/kg	1400	460	1
Cyclohexane	ND		ug/kg	1100	8.3	1
1,4-Dioxane	ND		ug/kg	5700	820	1
Freon-113	ND		ug/kg	1100	16.	1
p-Diethylbenzene	ND		ug/kg	230	9.1	1
p-Ethyltoluene	42	J	ug/kg	230	7.1	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	230	7.4	1
Ethyl ether	ND		ug/kg	280	15.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	22.	1
Methyl cyclohexane	ND		ug/kg	230	8.8	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	85		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01 D
Client ID: SB09_1.0-1.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 04/30/15 09:41
Analyst: BN
Percent Solids: 92%

Date Collected: 04/29/15 07:50
Date Received: 04/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methyl Acetate	30000		ug/kg	5700	77.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	90		70-130

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/15 07:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG780633-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/15 07:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG780633-3					
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	110	J	ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/15 07:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG780633-3					
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
Freon-113	ND		ug/kg	1000	14.
p-Diethylbenzene	ND		ug/kg	200	8.0
p-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
Ethyl ether	ND		ug/kg	250	13.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	20.
Methyl cyclohexane	ND		ug/kg	200	7.7

Tentatively Identified Compounds

No Tentatively Identified Compounds ND ug/kg

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 04/30/15 07:59
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01 Batch: WG780633-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508897

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG780633-1 WG780633-2								
Methylene chloride	105		95		70-130	10		30
1,1-Dichloroethane	111		98		70-130	12		30
Chloroform	107		96		70-130	11		30
Carbon tetrachloride	116		100		70-130	15		30
1,2-Dichloropropane	107		100		70-130	7		30
Dibromochloromethane	93		90		70-130	3		30
2-Chloroethylvinyl ether	93		90		70-130	3		30
1,1,2-Trichloroethane	101		97		70-130	4		30
Tetrachloroethene	111		98		70-130	12		30
Chlorobenzene	106		98		70-130	8		30
Trichlorofluoromethane	117		99		70-139	17		30
1,2-Dichloroethane	94		89		70-130	5		30
1,1,1-Trichloroethane	113		99		70-130	13		30
Bromodichloromethane	96		89		70-130	8		30
trans-1,3-Dichloropropene	97		94		70-130	3		30
cis-1,3-Dichloropropene	103		98		70-130	5		30
1,1-Dichloropropene	124		107		70-130	15		30
Bromoform	90		88		70-130	2		30
1,1,2,2-Tetrachloroethane	97		95		70-130	2		30
Benzene	116		104		70-130	11		30
Toluene	113		102		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508897

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG780633-1 WG780633-2								
Ethylbenzene	115		104		70-130	10		30
Chloromethane	114		95		52-130	18		30
Bromomethane	106		94		57-147	12		30
Vinyl chloride	117		98		67-130	18		30
Chloroethane	118		102		50-151	15		30
1,1-Dichloroethene	124		105		65-135	17		30
trans-1,2-Dichloroethene	120		103		70-130	15		30
Trichloroethene	116		102		70-130	13		30
1,2-Dichlorobenzene	102		94		70-130	8		30
1,3-Dichlorobenzene	107		98		70-130	9		30
1,4-Dichlorobenzene	104		95		70-130	9		30
Methyl tert butyl ether	98		93		66-130	5		30
p/m-Xylene	118		106		70-130	11		30
o-Xylene	114		104		70-130	9		30
cis-1,2-Dichloroethene	113		102		70-130	10		30
Dibromomethane	98		95		70-130	3		30
Styrene	111		103		70-130	7		30
Dichlorodifluoromethane	115		95		30-146	19		30
Acetone	104		96		54-140	8		30
Carbon disulfide	80		61		59-130	27		30
2-Butanone	98		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508897

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG780633-1 WG780633-2								
Vinyl acetate	98		95		70-130	3		30
4-Methyl-2-pentanone	85		84		70-130	1		30
1,2,3-Trichloropropane	97		95		68-130	2		30
2-Hexanone	90		89		70-130	1		30
Bromochloromethane	108		101		70-130	7		30
2,2-Dichloropropane	113		99		70-130	13		30
1,2-Dibromoethane	97		96		70-130	1		30
1,3-Dichloropropane	100		96		69-130	4		30
1,1,1,2-Tetrachloroethane	100		94		70-130	6		30
Bromobenzene	104		95		70-130	9		30
n-Butylbenzene	123		107		70-130	14		30
sec-Butylbenzene	123		107		70-130	14		30
tert-Butylbenzene	119		105		70-130	13		30
o-Chlorotoluene	112		100		70-130	11		30
p-Chlorotoluene	111		99		70-130	11		30
1,2-Dibromo-3-chloropropane	80		77		68-130	4		30
Hexachlorobutadiene	116		100		67-130	15		30
Isopropylbenzene	118		106		70-130	11		30
p-Isopropyltoluene	121		107		70-130	12		30
Naphthalene	97		94		70-130	3		30
Acrylonitrile	102		98		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508897

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG780633-1 WG780633-2								
Diisopropyl Ether	106		97		66-130	9		30
Tert-Butyl Alcohol	82		85		70-130	4		30
n-Propylbenzene	120		105		70-130	13		30
1,2,3-Trichlorobenzene	100		94		70-130	6		30
1,2,4-Trichlorobenzene	106		98		70-130	8		30
1,3,5-Trimethylbenzene	116		103		70-130	12		30
1,2,4-Trimethylbenzene	114		102		70-130	11		30
Methyl Acetate	97		94		51-146	3		30
Ethyl Acetate	100		101		70-130	1		30
Acrolein	98		97		70-130	1		30
Cyclohexane	135		116		59-142	15		30
1,4-Dioxane	89		100		65-136	12		30
Freon-113	127		105		50-139	19		30
p-Diethylbenzene	118		106		70-130	11		30
p-Ethyltoluene	117		106		70-130	10		30
1,2,4,5-Tetramethylbenzene	108		100		70-130	8		30
Tetrahydrofuran	98		97		66-130	1		30
Ethyl ether	103		96		67-130	7		30
trans-1,4-Dichloro-2-butene	92		92		70-130	0		30
Methyl cyclohexane	**133**	Q	114		70-130	15		30
Ethyl-Tert-Butyl-Ether	102		96		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508897

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG780633-1 WG780633-2								
Tertiary-Amyl Methyl Ether	99		96		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		90		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	97		98		70-130

SEMIVOLATILES

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01 D
Client ID: SB09_1.0-1.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 04/30/15 12:26
Analyst: RC
Percent Solids: 92%

Date Collected: 04/29/15 07:50
Date Received: 04/29/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 15:11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	280	73.	2
Benzidine	ND		ug/kg	1200	280	2
n-Nitrosodimethylamine	ND		ug/kg	710	110	2
1,2,4-Trichlorobenzene	ND		ug/kg	350	120	2
Hexachlorobenzene	ND		ug/kg	210	66.	2
Bis(2-chloroethyl)ether	ND		ug/kg	320	99.	2
2-Chloronaphthalene	ND		ug/kg	350	120	2
1,2-Dichlorobenzene	ND		ug/kg	350	120	2
1,3-Dichlorobenzene	ND		ug/kg	350	110	2
1,4-Dichlorobenzene	ND		ug/kg	350	110	2
3,3'-Dichlorobenzidine	ND		ug/kg	350	94.	2
2,4-Dinitrotoluene	ND		ug/kg	350	76.	2
2,6-Dinitrotoluene	ND		ug/kg	350	90.	2
Fluoranthene	1600		ug/kg	210	65.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	350	110	2
4-Bromophenyl phenyl ether	ND		ug/kg	350	81.	2
Azobenzene	ND		ug/kg	350	95.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	420	120	2
Bis(2-chloroethoxy)methane	ND		ug/kg	380	110	2
Hexachlorobutadiene	ND		ug/kg	350	100	2
Hexachlorocyclopentadiene	ND		ug/kg	1000	230	2
Hexachloroethane	ND		ug/kg	280	64.	2
Isophorone	ND		ug/kg	320	94.	2
Naphthalene	ND		ug/kg	350	120	2
Nitrobenzene	ND		ug/kg	320	84.	2
NDPA/DPA	ND		ug/kg	280	74.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	350	100	2
Bis(2-ethylhexyl)phthalate	230	J	ug/kg	350	92.	2
Butyl benzyl phthalate	780		ug/kg	350	69.	2
Di-n-butylphthalate	ND		ug/kg	350	68.	2

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01 D Date Collected: 04/29/15 07:50

Client ID: SB09_1.0-1.5 Date Received: 04/29/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-octylphthalate	ND		ug/kg	350	87.	2
Diethyl phthalate	ND		ug/kg	350	75.	2
Dimethyl phthalate	ND		ug/kg	350	90.	2
Benzo(a)anthracene	740		ug/kg	210	69.	2
Benzo(a)pyrene	540		ug/kg	280	86.	2
Benzo(b)fluoranthene	740		ug/kg	210	71.	2
Benzo(k)fluoranthene	260		ug/kg	210	67.	2
Chrysene	820		ug/kg	210	69.	2
Acenaphthylene	210	J	ug/kg	280	66.	2
Anthracene	160	J	ug/kg	210	59.	2
Benzo(ghi)perylene	390		ug/kg	280	74.	2
Fluorene	ND		ug/kg	350	100	2
Phenanthrene	630		ug/kg	210	69.	2
Dibenzo(a,h)anthracene	210		ug/kg	210	68.	2
Indeno(1,2,3-cd)pyrene	420		ug/kg	280	78.	2
Pyrene	1500		ug/kg	210	69.	2
Biphenyl	ND		ug/kg	800	120	2
4-Chloroaniline	ND		ug/kg	350	93.	2
2-Nitroaniline	ND		ug/kg	350	100	2
3-Nitroaniline	ND		ug/kg	350	98.	2
4-Nitroaniline	ND		ug/kg	350	95.	2
Dibenzofuran	ND		ug/kg	350	120	2
2-Methylnaphthalene	ND		ug/kg	420	110	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	350	110	2
Acetophenone	ND		ug/kg	350	110	2
2,4,6-Trichlorophenol	ND		ug/kg	210	67.	2
p-Chloro-m-cresol	ND		ug/kg	350	100	2
2-Chlorophenol	ND		ug/kg	350	110	2
2,4-Dichlorophenol	ND		ug/kg	320	110	2
2,4-Dimethylphenol	ND		ug/kg	350	100	2
2-Nitrophenol	ND		ug/kg	760	110	2
4-Nitrophenol	ND		ug/kg	490	110	2
2,4-Dinitrophenol	ND		ug/kg	1700	480	2
4,6-Dinitro-o-cresol	ND		ug/kg	920	130	2
Pentachlorophenol	ND		ug/kg	280	76.	2
Phenol	ND		ug/kg	350	100	2
2-Methylphenol	ND		ug/kg	350	110	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	510	120	2
2,4,5-Trichlorophenol	ND		ug/kg	350	110	2

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01 D Date Collected: 04/29/15 07:50

Client ID: SB09_1.0-1.5 Date Received: 04/29/15

Sample Location: MANHATTAN, NY Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzoic Acid	ND		ug/kg	1100	360	2
Benzyl Alcohol	ND		ug/kg	350	110	2
Carbazole	ND		ug/kg	350	76.	2
Benzaldehyde	390	J	ug/kg	470	140	2
Caprolactam	ND		ug/kg	350	98.	2
Atrazine	ND		ug/kg	280	80.	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	350	60.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**10**	Q	25-120
Phenol-d6	35		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	16		10-136
4-Terphenyl-d14	51		18-120

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/15 11:14
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/29/15 15:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG780353-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	550	130
n-Nitrosodimethylamine	ND		ug/kg	330	54.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	99	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	54.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	36.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	99	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	47.
Hexachlorocyclopentadiene	ND		ug/kg	470	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	55.
Nitrobenzene	ND		ug/kg	150	39.
NDPA/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/15 11:14
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/29/15 15:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG780353-1					
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	41.
Diethyl phthalate	ND		ug/kg	160	35.
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	99	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	33.
Benzo(k)fluoranthene	ND		ug/kg	99	32.
Chrysene	ND		ug/kg	99	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	99	28.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	99	32.
Dibenzo(a,h)anthracene	ND		ug/kg	99	32.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	99	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	160	44.
2-Nitroaniline	ND		ug/kg	160	47.
3-Nitroaniline	ND		ug/kg	160	46.
4-Nitroaniline	ND		ug/kg	160	45.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	48.
2-Chlorophenol	ND		ug/kg	160	50.

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 04/30/15 11:14
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 04/29/15 15:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG780353-1					
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	360	52.
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	790	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	49.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	36.
Benzaldehyde	ND		ug/kg	220	67.
Caprolactam	ND		ug/kg	160	46.
Atrazine	ND		ug/kg	130	38.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	102		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG780353-2 WG780353-3								
Acenaphthene	84		80		31-137	5		50
Benzidine	36		33		10-66	9		50
n-Nitrosodimethylamine	78		76		22-100	3		50
1,2,4-Trichlorobenzene	73		69		38-107	6		50
Hexachlorobenzene	88		85		40-140	3		50
Bis(2-chloroethyl)ether	78		76		40-140	3		50
2-Chloronaphthalene	87		83		40-140	5		50
1,2-Dichlorobenzene	72		69		40-140	4		50
1,3-Dichlorobenzene	71		70		40-140	1		50
1,4-Dichlorobenzene	71		69		28-104	3		50
3,3'-Dichlorobenzidine	59		56		40-140	5		50
2,4-Dinitrotoluene	85		82		28-89	4		50
2,6-Dinitrotoluene	84		82		40-140	2		50
Fluoranthene	98		94		40-140	4		50
4-Chlorophenyl phenyl ether	85		81		40-140	5		50
4-Bromophenyl phenyl ether	90		86		40-140	5		50
Azobenzene	92		88		40-140	4		50
Bis(2-chloroisopropyl)ether	81		77		40-140	5		50
Bis(2-chloroethoxy)methane	86		84		40-117	2		50
Hexachlorobutadiene	73		70		40-140	4		50
Hexachlorocyclopentadiene	110		105		40-140	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG780353-2 WG780353-3								
Hexachloroethane	74		72		40-140	3		50
Isophorone	91		88		40-140	3		50
Naphthalene	82		77		40-140	6		50
Nitrobenzene	90		86		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	94		90		36-157	4		50
n-Nitrosodi-n-propylamine	88		85		32-121	3		50
Bis(2-Ethylhexyl)phthalate	85		82		40-140	4		50
Butyl benzyl phthalate	87		83		40-140	5		50
Di-n-butylphthalate	104		101		40-140	3		50
Di-n-octylphthalate	89		86		40-140	3		50
Diethyl phthalate	95		92		40-140	3		50
Dimethyl phthalate	91		88		40-140	3		50
Benzo(a)anthracene	91		88		40-140	3		50
Benzo(a)pyrene	74		71		40-140	4		50
Benzo(b)fluoranthene	83		83		40-140	0		50
Benzo(k)fluoranthene	86		81		40-140	6		50
Chrysene	84		82		40-140	2		50
Acenaphthylene	97		92		40-140	5		50
Anthracene	100		96		40-140	4		50
Benzo(ghi)perylene	71		69		40-140	3		50
Fluorene	90		87		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG780353-2 WG780353-3								
Phenanthrene	87		86		40-140	1		50
Dibenzo(a,h)anthracene	71		70		40-140	1		50
Indeno(1,2,3-cd)Pyrene	74		72		40-140	3		50
Pyrene	96		93		35-142	3		50
Biphenyl	81		78		54-104	4		50
Aniline	62		60		40-140	3		50
4-Chloroaniline	68		72		40-140	6		50
2-Nitroaniline	87		86		47-134	1		50
3-Nitroaniline	71		66		26-129	7		50
4-Nitroaniline	96		91		41-125	5		50
Dibenzofuran	86		84		40-140	2		50
2-Methylnaphthalene	85		80		40-140	6		50
1,2,4,5-Tetrachlorobenzene	75		71		40-117	5		50
Acetophenone	83		81		14-144	2		50
2,4,6-Trichlorophenol	88		83		30-130	6		50
P-Chloro-M-Cresol	97		92		26-103	5		50
2-Chlorophenol	85		83		25-102	2		50
2,4-Dichlorophenol	91		86		30-130	6		50
2,4-Dimethylphenol	91		89		30-130	2		50
2-Nitrophenol	84		83		30-130	1		50
4-Nitrophenol	94		90		11-114	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG780353-2 WG780353-3								
2,4-Dinitrophenol	84		88		4-130	5		50
4,6-Dinitro-o-cresol	88		88		10-130	0		50
Pentachlorophenol	85		83		17-109	2		50
Phenol	86		84		26-90	2		50
2-Methylphenol	88		85		30-130.	3		50
3-Methylphenol/4-Methylphenol	93		90		30-130	3		50
2,4,5-Trichlorophenol	97		93		30-130	4		50
Benzoic Acid	53		57		10-66	7		50
Benzyl Alcohol	88		87		40-140	1		50
Carbazole	93		90		54-128	3		50
Benzaldehyde	79		80		40-140	1		50
Caprolactam	99		94		15-130	5		50
Atrazine	83		82		40-140	1		50
2,3,4,6-Tetrachlorophenol	93		89		40-140	4		50
Pyridine	65		65		10-93	0		50
Parathion, ethyl	122		117		40-140	4		50
1-Methylnaphthalene	78		75		26-130	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG780353-2 WG780353-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		81		25-120
Phenol-d6	89		87		10-120
Nitrobenzene-d5	92		89		23-120
2-Fluorobiphenyl	84		81		30-120
2,4,6-Tribromophenol	76		74		10-136
4-Terphenyl-d14	92		89		18-120

PCBS

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

SAMPLE RESULTS

Lab ID:	L1508897-01	Date Collected:	04/29/15 07:50
Client ID:	SB09_1.0-1.5	Date Received:	04/29/15
Sample Location:	MANHATTAN, NY	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	04/29/15 14:00
Analytical Date:	04/30/15 06:40	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	04/29/15
Percent Solids:	92%	Cleanup Method:	EPA 3660B
		Cleanup Date:	04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	2.78	1	A
Aroclor 1221	ND		ug/kg	35.2	3.24	1	A
Aroclor 1232	ND		ug/kg	35.2	4.12	1	A
Aroclor 1242	ND		ug/kg	35.2	4.30	1	A
Aroclor 1248	ND		ug/kg	35.2	2.97	1	A
Aroclor 1254	12.6	J	ug/kg	35.2	2.89	1	B
Aroclor 1260	ND		ug/kg	35.2	2.68	1	A
Aroclor 1262	ND		ug/kg	35.2	1.74	1	A
Aroclor 1268	ND		ug/kg	35.2	5.10	1	A
PCBs, Total	12.6	J	ug/kg	35.2	1.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/30/15 05:50
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 04/29/15 12:41
Cleanup Method: EPA 3665A
Cleanup Date: 04/29/15
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG780306-1						
Aroclor 1016	ND		ug/kg	32.3	2.55	A
Aroclor 1221	ND		ug/kg	32.3	2.98	A
Aroclor 1232	ND		ug/kg	32.3	3.79	A
Aroclor 1242	ND		ug/kg	32.3	3.96	A
Aroclor 1248	ND		ug/kg	32.3	2.73	A
Aroclor 1254	ND		ug/kg	32.3	2.66	A
Aroclor 1260	ND		ug/kg	32.3	2.46	A
Aroclor 1262	ND		ug/kg	32.3	1.60	A
Aroclor 1268	ND		ug/kg	32.3	4.69	A
PCBs, Total	ND		ug/kg	32.3	1.60	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508897

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG780306-2 WG780306-3									
Aroclor 1016	82		85		40-140	4		50	A
Aroclor 1260	86		88		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	A
Decachlorobiphenyl	85		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		85		30-150	B
Decachlorobiphenyl	98		99		30-150	B

PESTICIDES

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01
Client ID: SB09_1.0-1.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/30/15 12:38
Analyst: GP
Percent Solids: 92%

Date Collected: 04/29/15 07:50
Date Received: 04/29/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 04/29/15 15:44
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/15

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	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.869	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.978	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.543	1	A
4,4'-DDE	1.58	J	ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	3.63	P	ug/kg	3.26	1.40	1	B
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.581	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	2.52		ug/kg	2.17	0.605	1	A
trans-Chlordane	2.11	JPI	ug/kg	2.17	0.573	1	A
Chlordane	28.2	PI	ug/kg	14.1	5.76	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	39		30-150	A

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/30/15 11:50
Analyst: GP

Extraction Method: EPA 3546
Extraction Date: 04/29/15 15:44
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG780362-1						
Delta-BHC	ND		ug/kg	1.53	0.299	A
Lindane	ND		ug/kg	0.637	0.285	A
Alpha-BHC	ND		ug/kg	0.637	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.580	A
Heptachlor	ND		ug/kg	0.764	0.343	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.87	0.860	A
Endrin	ND		ug/kg	0.637	0.261	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.955	0.478	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.545	A
4,4'-DDT	ND		ug/kg	2.87	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.511	A
Endosulfan sulfate	ND		ug/kg	0.637	0.303	A
Methoxychlor	ND		ug/kg	2.87	0.892	A
Toxaphene	ND		ug/kg	28.7	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

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	94		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	82		30-150	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG780362-2 WG780362-3									
Delta-BHC	88		44		30-150	**67**	Q	30	A
Lindane	109		53		30-150	**69**	Q	30	A
Alpha-BHC	123		61		30-150	**67**	Q	30	A
Beta-BHC	110		73		30-150	**40**	Q	30	A
Heptachlor	115		58		30-150	**66**	Q	30	A
Aldrin	104		52		30-150	**67**	Q	30	A
Heptachlor epoxide	99		51		30-150	**64**	Q	30	A
Endrin	123		62		30-150	**66**	Q	30	A
Endrin ketone	118		62		30-150	**62**	Q	30	A
Dieldrin	111		56		30-150	**66**	Q	30	A
4,4'-DDE	100		50		30-150	**67**	Q	30	A
4,4'-DDD	113		57		30-150	**66**	Q	30	A
4,4'-DDT	120		60		30-150	**67**	Q	30	A
Endosulfan I	97		50		30-150	**64**	Q	30	A
Endosulfan II	105		54		30-150	**64**	Q	30	A
Endosulfan sulfate	121		64		30-150	**62**	Q	30	A
Methoxychlor	150		78		30-150	**63**	Q	30	A
cis-Chlordane	102		52		30-150	**65**	Q	30	A
trans-Chlordane	109		56		30-150	**64**	Q	30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG780362-2 WG780362-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		45		30-150	B
Decachlorobiphenyl	78		46		30-150	B
2,4,5,6-Tetrachloro-m-xylene	88		46		30-150	A
Decachlorobiphenyl	72		38		30-150	A

METALS

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01
Client ID: SB09_1.0-1.5
Sample Location: MANHATTAN, NY
Matrix: Soil
Percent Solids: 92%

Date Collected: 04/29/15 07:50
Date Received: 04/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	1800		mg/kg	8.6	1.7	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.3	0.69	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Arsenic, Total	6.2		mg/kg	0.86	0.17	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Barium, Total	75		mg/kg	0.86	0.26	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Beryllium, Total	0.15	J	mg/kg	0.43	0.09	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.86	0.06	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Calcium, Total	28000		mg/kg	8.6	2.6	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Chromium, Total	6.4		mg/kg	0.86	0.17	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Cobalt, Total	4.0		mg/kg	1.7	0.43	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Copper, Total	17		mg/kg	0.86	0.17	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	4.3	1.7	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Lead, Total	47		mg/kg	4.3	0.17	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Magnesium, Total	1400		mg/kg	8.6	0.86	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Manganese, Total	110		mg/kg	0.86	0.17	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Mercury, Total	0.19		mg/kg	0.07	0.01	1	04/30/15 05:16	04/30/15 11:12	EPA 7471B	1,7471B	MC
Nickel, Total	8.5		mg/kg	2.1	0.34	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Potassium, Total	540		mg/kg	210	34.	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Selenium, Total	0.78	J	mg/kg	1.7	0.26	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.86	0.17	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Sodium, Total	950		mg/kg	170	26.	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Vanadium, Total	11		mg/kg	0.86	0.09	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH
Zinc, Total	110		mg/kg	4.3	0.60	2	04/29/15 20:46	04/30/15 09:55	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON STREET **Lab Number:** L1508897

Project Number: 170361501 **Report Date:** 06/05/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG780463-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Arsenic, Total	0.11	J	mg/kg	0.40	0.08	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	04/29/15 20:46	04/30/15 09:48	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01 Batch: WG780524-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	04/30/15 05:16	04/30/15 11:02	1,7471B	MC

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1508897

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG780463-2 SRM Lot Number: D083-540								
Aluminum, Total	73		-		51-148	-		
Antimony, Total	138		-		1-210	-		
Arsenic, Total	90		-		78-122	-		
Barium, Total	84		-		82-117	-		
Beryllium, Total	86		-		82-118	-		
Cadmium, Total	83		-		82-118	-		
Calcium, Total	84		-		82-118	-		
Chromium, Total	84		-		79-121	-		
Cobalt, Total	86		-		83-117	-		
Copper, Total	90		-		80-120	-		
Iron, Total	86		-		47-153	-		
Lead, Total	82		-		81-119	-		
Magnesium, Total	76		-		75-124	-		
Manganese, Total	82		-		81-119	-		
Nickel, Total	83		-		82-118	-		
Potassium, Total	88		-		70-130	-		
Selenium, Total	90		-		78-123	-		
Silver, Total	94		-		74-125	-		
Sodium, Total	81		-		70-130	-		
Thallium, Total	82		-		78-122	-		
Vanadium, Total	89		-		65-135	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG780463-2 SRM Lot Number: D083-540					
Zinc, Total	87	-	80-121	-	
Total Metals - Westborough Lab Associated sample(s): 01 Batch: WG780524-2 SRM Lot Number: D083-540					
Mercury, Total	121	-	75-126	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG780463-4 QC Sample: L1508897-01 Client ID: SB09_1.0-1.5												
Aluminum, Total	1800	170	2900	**648**	Q	-	-		75-125	-		20
Antimony, Total	ND	42.4	38	90		-	-		75-125	-		20
Arsenic, Total	6.2	10.2	15	86		-	-		75-125	-		20
Barium, Total	75.	170	220	85		-	-		75-125	-		20
Beryllium, Total	0.15J	4.24	4.1	97		-	-		75-125	-		20
Cadmium, Total	ND	4.32	3.6	83		-	-		75-125	-		20
Calcium, Total	28000	848	37000	**1060**	Q	-	-		75-125	-		20
Chromium, Total	6.4	17	23	98		-	-		75-125	-		20
Cobalt, Total	4.0	42.4	40	85		-	-		75-125	-		20
Copper, Total	17.	21.2	40	108		-	-		75-125	-		20
Iron, Total	12000	84.8	12000	**0**	Q	-	-		75-125	-		20
Lead, Total	47.	43.2	70	**53**	Q	-	-		75-125	-		20
Magnesium, Total	1400	848	3000	**189**	Q	-	-		75-125	-		20
Manganese, Total	110	42.4	170	**142**	Q	-	-		75-125	-		20
Nickel, Total	8.5	42.4	44	84		-	-		75-125	-		20
Potassium, Total	540	848	1600	125		-	-		75-125	-		20
Selenium, Total	0.78J	10.2	11	108		-	-		75-125	-		20
Silver, Total	ND	25.4	22	86		-	-		75-125	-		20
Sodium, Total	950	848	2100	**136**	Q	-	-		75-125	-		20
Thallium, Total	ND	10.2	7.0	**69**	Q	-	-		75-125	-		20
Vanadium, Total	11.	42.4	46	82		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG780463-4 QC Sample: L1508897-01 Client ID: SB09_1.0-1.5										
Zinc, Total	110	42.4	120	**24**	Q	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG780524-4 QC Sample: L1509034-01 Client ID: MS Sample										
Mercury, Total	0.31	0.142	0.55	**168**	Q	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG780463-3 QC Sample: L1508897-01 Client ID: SB09_1.0-1.5						
Aluminum, Total	1800	2300	mg/kg	**24**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	6.2	6.9	mg/kg	11		20
Barium, Total	75.	81	mg/kg	8		20
Beryllium, Total	0.15J	0.21J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	28000	54000	mg/kg	**63**	Q	20
Chromium, Total	6.4	7.8	mg/kg	20		20
Cobalt, Total	4.0	3.5	mg/kg	13		20
Copper, Total	17.	22	mg/kg	**26**	Q	20
Iron, Total	12000	14000	mg/kg	15		20
Lead, Total	47.	67	mg/kg	**35**	Q	20
Magnesium, Total	1400	3100	mg/kg	**76**	Q	20
Manganese, Total	110	180	mg/kg	**48**	Q	20
Nickel, Total	8.5	7.8	mg/kg	9		20
Potassium, Total	540	620	mg/kg	14		20
Selenium, Total	0.78J	0.68J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	950	1100	mg/kg	15		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG780463-3 QC Sample: L1508897-01 Client ID: SB09_1.0-1.5						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	11.	6.8	mg/kg	**47**	Q	20
Zinc, Total	110	97	mg/kg	13		20
Total Metals - Westborough Lab Associated sample(s): 01 QC Batch ID: WG780524-3 QC Sample: L1509034-01 Client ID: DUP Sample						
Mercury, Total	0.31	0.37	mg/kg	18		20

INORGANICS
&
MISCELLANEOUS

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1508897
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1508897-01
Client ID: SB09_1.0-1.5
Sample Location: MANHATTAN, NY
Matrix: Soil

Date Collected: 04/29/15 07:50
Date Received: 04/29/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.7		%	0.100	NA	1	-	04/29/15 21:38	30,2540G	RT

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG780466-1 QC Sample: L1508508-04 Client ID: DUP Sample						
Solids, Total	64.6	68.3	%	6		20

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1508897
Report Date: 06/05/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 04/29/2015 13:41

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1508897-01A	Vial MeOH preserved	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1508897-01B	Vial water preserved	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1508897-01C	Vial water preserved	A	N/A	4.3	Y	Absent	NYTCL-8260HLW(14)
L1508897-01D	Vial unpreserved	A	N/A	4.3	Y	Absent	TS(7)
L1508897-01E	Glass 250ml/8oz unpreserved	A	N/A	4.3	Y	Absent	BE-TI(180),NYTCL-8270(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1508897
Project Number:	170361501	**Report Date:**	06/05/15

GLOSSARY

Acronyms

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NI - Not Ignitable.

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.

Footnotes

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

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1508897
Project Number:	170361501	**Report Date:**	06/05/15

Data Qualifiers

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:	440 WASHINGTON STREET	**Lab Number:**	L1508897
Project Number:	170361501	**Report Date:**	06/05/15

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

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

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/29/15

ALPHA Job #: L1508099

Client Information

Client: Langan
Address: 360 W 31st St, 8th floor
Manhattan, NY 10001-2727
Phone: (212) 479-5479
Fax:
Email: bgochenaur@langan.com

Project Information

Project Name: 432 Washington Street
Project Location: Manhattan, NY
Project # 170361501
(Use Project name as Project #) ☐
Project Manager: Brian Gochenaur
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date: 4/30/15
Rush (only if pre approved) ☒ # of Days: 24-hr

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☒ Other Standard only

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☒ Same as Client Info
PO # 170361501

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ **Done**
☐ **Lab to do**
Preservation
☐ **Lab to do**
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs	TCL SVOCs	PCB	Pesticides	TAL Metals	Total Bottle	Sample Specific Comments
06897-01	S1309_1.0-1.5	4/29/15	0750	Soil	KC	X	X	X	X	X		
Container Type							A	A	A	A		
Preservative												

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Kevin Culton	4/29/2015 0900		4/29/2015 0900
	4/29/15 1330		4/29/15 1330

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1510263
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brian Gochenaur
Phone:	(212) 479-5590
Project Name:	440 WASHINGTON STREET
Project Number:	170361501
Report Date:	06/05/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1510263
Report Date: 06/05/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1510263-01	SB03_4.0-5.0	SOIL	MANHATTAN, NY	04/28/15 10:00	04/28/15
L1510263-02	SB05_5.0-6.0	SOIL	MANHATTAN, NY	04/28/15 11:35	04/28/15

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1510263
Report Date: 06/05/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1510263
Project Number:	170361501	**Report Date:**	06/05/15

Case Narrative (continued)

Report Submission

This report replaces the report issued May 27, 2015. The project name was changed.

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

At the client's request, only the TCLP lead analysis on sample "SB03_4.0-5.0" was performed at this time.

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: 06/05/15

METALS

Project Name: 440 WASHINGTON STREET
Lab Number: L1510263
Project Number: 170361501
Report Date: 06/05/15

SAMPLE RESULTS

Lab ID: L1510263-01
Client ID: SB03_4.0-5.0
Sample Location: MANHATTAN, NY
Matrix: Soil
Date Collected: 04/28/15 10:00
Date Received: 04/28/15
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 05/12/15 23:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	0.10	J	mg/l	0.50	0.02	1	05/27/15 11:39	05/27/15 13:53	EPA 3015	1,6010C	TT

Project Name: 440 WASHINGTON STREET
Project Number: 170361501
Lab Number: L1510263
Report Date: 06/05/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG788329-1										
Lead, TCLP	ND		mg/l	0.50	0.02	1	05/27/15 11:39	05/27/15 13:46	1,6010C	TT

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 05/12/15 23:25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON STREET

Project Number: 170361501

Lab Number: L1510263

Report Date: 06/05/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG788329-2								
Lead, TCLP	92		-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1510263
Report Date: 06/05/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG788329-4 QC Sample: L1510263-01 Client ID: SB03_4.0-5.0												
Lead, TCLP	0.10J	5.1	4.6	90		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1510263
Report Date: 06/05/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01 QC Batch ID: WG788329-3 QC Sample: L1510263-01 Client ID: SB03_4.0-5.0						
Lead, TCLP	0.10J	0.09J	mg/l	NC		20

Project Name: 440 WASHINGTON STREET
Project Number: 170361501

Lab Number: L1510263
Report Date: 06/05/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1510263-01A	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	-
L1510263-01B	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	-
L1510263-01X	Plastic 120ml HNO3 preserved spl	A	<2	2.8	Y	Absent	PB-CI(180)
L1510263-01X9	Tumble Vessel	A	N/A	2.8	Y	Absent	-
L1510263-02A	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	HOLD-METAL(180)
L1510263-02X	Plastic 120ml HNO3 preserved spl	A	<2	2.8	Y	Absent	HOLD-METAL(180)
L1510263-02X9	Tumble Vessel	A	N/A	2.8	Y	Absent	HOLD-METAL(180)

*Values in parentheses indicate holding time in days

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1510263
Project Number:	170361501	**Report Date:**	06/05/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
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.

Footnotes

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

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	440 WASHINGTON STREET	**Lab Number:**	L1510263
Project Number:	170361501	**Report Date:**	06/05/15

Data Qualifiers

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

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

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

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

Seri L1510263 LT 5/12/15

NEW YORK CHAIN OF CUSTODY

Page 1 of 2

Date Rec'd in Lab: 4/28/15

ALPHA Job #: L1508420

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Client Information
Client: Langan
Address: 360 W 31st Street
Manhattan NY 10001-2727
Phone: (212) 479-5479
Fax:
Email: bgochenaur@langan.com

Project Information
Project Name: 432 Washington Street
Project Location: Manhattan, NY
Project #: 170361501
(Use Project name as Project #)
Project Manager: Brian Gochenaur
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved) ☑
Due Date: 4/29/15
# of Days: 24 hrs

Deliverables
ASP-A ASP-B
EQuIS (1 File) EQuIS (4 File)
☒ Other Standard only

Regulatory Requirement
NY TOGS NY Part 375
AWQ Standards NY CP-51
NY Restricted Use Other
NY Unrestricted Use
NYC Sewer Discharge

Billing Information
☑ Same as Client Info
PO # 170361501

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
NJ NY
Other:

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:
Some samples do not have volume for TS
please proceed without TS, or use other volume

Please specify Metals or TAL.

ANALYSIS
TCL/Part 375 VOCs
TCL/Part 375 SVOCs
TAL Metals
PCBs
Pesticides
TCLP-PB, CU

Sample Filtration
Done
Lab to do
Preservation
Lab to do
(Please Specify below)

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Sample Specific Comments
010263-01	SB01_1.0-2.0	4/28/15	0820	soil	KC	
-02	SB02_0.5-1.0		0930		KC	
	SB03_4.0-5.0		1000		KC	
	SB04_2.0-3.0		1055		KC	
	SB05_5.0-6.0		1135		KC	
	SB06_0.5-1.0		1235		KC	
	SB07_1.0-2.0		1330		KC	
	SB08_3.5-4.0		1405		KC	
	SB08_5.0-5.5		1415		KC	
	SB08_11.5-12.0		1425		KC	

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
Kevin Cullen	4/28/15 1530		4/28/15 1530
	4-28-15 1820	Tom Tobin	4-28-15 1820
Tom Tobin	4-28-15 2310	Willis McElhaney	4/28/15 2310

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1512012
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brian Gochenaur
Phone:	(212) 479-5590
Project Name:	440 WASHINGTON ST.
Project Number:	170361501
Report Date:	06/08/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1512012-01	SB11_1-2	SOIL	440 WASHINGTON ST.	06/01/15 10:50	06/01/15
L1512012-02	SB11_8-9	SOIL	440 WASHINGTON ST.	06/01/15 11:05	06/01/15
L1512012-03	SB10_1-2	SOIL	440 WASHINGTON ST.	06/01/15 12:00	06/01/15
L1512012-04	SB10_7-8	SOIL	440 WASHINGTON ST.	06/01/15 12:15	06/01/15
L1512012-05	SB05C_7-8	SOIL	440 WASHINGTON ST.	06/01/15 15:40	06/01/15
L1512012-06	SB05N_5-6	SOIL	440 WASHINGTON ST.	06/01/15 15:30	06/01/15
L1512012-07	SB05E_5-6	SOIL	440 WASHINGTON ST.	06/01/15 16:05	06/01/15
L1512012-08	SB05W_5-6	SOIL	440 WASHINGTON ST.	06/01/15 16:00	06/01/15
L1512012-09	TB01_060115	WATER	440 WASHINGTON ST.	06/01/15 00:00	06/01/15

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012
Project Number: 170361501 **Report Date:** 06/08/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512012
Project Number:	170361501	**Report Date:**	06/08/15

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.

Metals

L1512012-01 through -04 have elevated detection limits for all elements, with the exception of mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG790058-1 Method Blank, associated with L1512012-01 through -04, has a concentration above the reporting limit for Calcium. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no corrective action is required.

Cyanide, Total

The WG789885-3 LCSD recovery (126%), associated with L1512012-01 through -04, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/08/15

ORGANICS

VOLATILES

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01
Client ID: SB11_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/04/15 11:37
Analyst: BN
Percent Solids: 89%

Date Collected: 06/01/15 10:50
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	3.7	J	ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.37	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	2.7		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.39	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.17	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.0	0.14	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.0	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21	1
Trichloroethene	ND		ug/kg	1.0	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01 Date Collected: 06/01/15 10:50

Client ID: SB11_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.17	1
Xylenes, Total	ND		ug/kg	2.0	0.17	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.16	1
Styrene	ND		ug/kg	2.0	0.40	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	17		ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.27	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.24	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.67	1
Bromochloromethane	ND		ug/kg	5.0	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.0	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.0	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.0	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.0	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.0	0.14	1
o-Chlorotoluene	ND		ug/kg	5.0	0.16	1
p-Chlorotoluene	ND		ug/kg	5.0	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	5.0	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01 Date Collected: 06/01/15 10:50

Client ID: SB11_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14	1
1,4-Dioxane	ND		ug/kg	100	14.	1
p-Diethylbenzene	ND		ug/kg	4.0	0.16	1
p-Ethyltoluene	ND		ug/kg	4.0	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13	1
Ethyl ether	1.5	J	ug/kg	5.0	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02
Client ID: SB11_8-9
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/03/15 16:46
Analyst: BN
Percent Solids: 84%

Date Collected: 06/01/15 11:05
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.8	J	ug/kg	9.4	1.0	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.08	1
Chloroform	ND		ug/kg	1.4	0.35	1
Carbon tetrachloride	ND		ug/kg	0.94	0.20	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.94	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	0.32	J	ug/kg	0.94	0.13	1
Chlorobenzene	ND		ug/kg	0.94	0.33	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.36	1
1,2-Dichloroethane	ND		ug/kg	0.94	0.11	1
1,1,1-Trichloroethane	ND		ug/kg	0.94	0.10	1
Bromodichloromethane	ND		ug/kg	0.94	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	0.94	0.11	1
cis-1,3-Dichloropropene	ND		ug/kg	0.94	0.11	1
1,3-Dichloropropene, Total	ND		ug/kg	0.94	0.11	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.13	1
Bromoform	ND		ug/kg	3.8	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.94	0.10	1
Benzene	ND		ug/kg	0.94	0.11	1
Toluene	0.30	J	ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.94	0.12	1
Chloromethane	ND		ug/kg	4.7	0.28	1
Bromomethane	ND		ug/kg	1.9	0.32	1
Vinyl chloride	ND		ug/kg	1.9	0.11	1
Chloroethane	ND		ug/kg	1.9	0.30	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.20	1
Trichloroethene	ND		ug/kg	0.94	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	4.7	0.14	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02 Date Collected: 06/01/15 11:05

Client ID: SB11_8-9 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	4.7	0.13	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.08	1
p/m-Xylene	ND		ug/kg	1.9	0.19	1
o-Xylene	ND		ug/kg	1.9	0.16	1
Xylenes, Total	ND		ug/kg	1.9	0.16	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.13	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	9.4	0.15	1
Styrene	ND		ug/kg	1.9	0.38	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.18	1
Acetone	3.4	J	ug/kg	9.4	0.98	1
Carbon disulfide	ND		ug/kg	9.4	1.0	1
2-Butanone	ND		ug/kg	9.4	0.26	1
Vinyl acetate	ND		ug/kg	9.4	0.12	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	0.23	1
1,2,3-Trichloropropane	ND		ug/kg	9.4	0.15	1
2-Hexanone	ND		ug/kg	9.4	0.63	1
Bromochloromethane	ND		ug/kg	4.7	0.26	1
2,2-Dichloropropane	ND		ug/kg	4.7	0.21	1
1,2-Dibromoethane	ND		ug/kg	3.8	0.16	1
1,3-Dichloropropane	ND		ug/kg	4.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.94	0.30	1
Bromobenzene	ND		ug/kg	4.7	0.20	1
n-Butylbenzene	ND		ug/kg	0.94	0.11	1
sec-Butylbenzene	ND		ug/kg	0.94	0.11	1
tert-Butylbenzene	ND		ug/kg	4.7	0.13	1
o-Chlorotoluene	ND		ug/kg	4.7	0.15	1
p-Chlorotoluene	ND		ug/kg	4.7	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.21	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.12	1
Naphthalene	ND		ug/kg	4.7	0.13	1
Acrylonitrile	ND		ug/kg	9.4	0.48	1
n-Propylbenzene	ND		ug/kg	0.94	0.10	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.14	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.14	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02 Date Collected: 06/01/15 11:05

Client ID: SB11_8-9 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.13	1
1,4-Dioxane	ND		ug/kg	94	14.	1
p-Diethylbenzene	ND		ug/kg	3.8	0.15	1
p-Ethyltoluene	ND		ug/kg	3.8	0.12	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.8	0.12	1
Ethyl ether	2.3	J	ug/kg	4.7	0.24	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	108		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03
Client ID: SB10_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/04/15 12:05
Analyst: BN
Percent Solids: 80%

Date Collected: 06/01/15 12:00
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	2.7	J	ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.21	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.35	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.34	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03 Date Collected: 06/01/15 12:00

Client ID: SB10_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.19	1
Acetone	3.9	J	ug/kg	10	1.0	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	ND		ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.13	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.16	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.40	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.10	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.52	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03 Date Collected: 06/01/15 12:00

Client ID: SB10_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	2.0	J	ug/kg	5.1	0.26	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	98		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04
Client ID: SB10_7-8
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/03/15 17:37
Analyst: BN
Percent Solids: 84%

Date Collected: 06/01/15 12:15
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.9	J	ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.39	1
Carbon tetrachloride	ND		ug/kg	1.1	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.32	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.37	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.41	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.3	0.15	1
Bromoform	ND		ug/kg	4.2	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.12	1
Toluene	0.34	J	ug/kg	1.6	0.21	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.3	0.31	1
Bromomethane	ND		ug/kg	2.1	0.36	1
Vinyl chloride	ND		ug/kg	2.1	0.12	1
Chloroethane	ND		ug/kg	2.1	0.34	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
Trichloroethene	ND		ug/kg	1.1	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.16	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04 Date Collected: 06/01/15 12:15

Client ID: SB10_7-8 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.3	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.09	1
p/m-Xylene	ND		ug/kg	2.1	0.21	1
o-Xylene	ND		ug/kg	2.1	0.18	1
Xylenes, Total	ND		ug/kg	2.1	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	11	0.17	1
Styrene	ND		ug/kg	2.1	0.43	1
Dichlorodifluoromethane	ND		ug/kg	11	0.20	1
Acetone	160		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	2.8	J	ug/kg	11	0.29	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.17	1
2-Hexanone	ND		ug/kg	11	0.71	1
Bromochloromethane	ND		ug/kg	5.3	0.29	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.22	1
n-Butylbenzene	ND		ug/kg	1.1	0.12	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.3	0.14	1
o-Chlorotoluene	ND		ug/kg	5.3	0.17	1
p-Chlorotoluene	ND		ug/kg	5.3	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.24	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.13	1
Naphthalene	0.28	J	ug/kg	5.3	0.15	1
Acrylonitrile	ND		ug/kg	11	0.55	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.15	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04 Date Collected: 06/01/15 12:15

Client ID: SB10_7-8 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.15	1
1,4-Dioxane	ND		ug/kg	110	15.	1
p-Diethylbenzene	ND		ug/kg	4.2	0.17	1
p-Ethyltoluene	ND		ug/kg	4.2	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.14	1
Ethyl ether	2.9	J	ug/kg	5.3	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	0.42	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	110		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-09
Client ID: TB01_060115
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/03/15 15:31
Analyst: PD

Date Collected: 06/01/15 00:00
Date Received: 06/01/15
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-09 Date Collected: 06/01/15 00:00

Client ID: TB01_060115 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-09 Date Collected: 06/01/15 00:00

Client ID: TB01_060115 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	109		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 10:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG790409-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-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	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 10:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG790409-3					
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: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 10:29
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG790409-3					
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	41.
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	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04 Batch: WG790608-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04 Batch: WG790608-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	2.4	J	ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04 Batch: WG790608-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 02,04 Batch: WG790608-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	95		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/04/15 09:47
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG791037-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/04/15 09:47
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG791037-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylenes, Total	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/04/15 09:47
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG791037-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Diisopropyl Ether	ND		ug/kg	4.0	0.14
Tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
Freon-113	ND		ug/kg	20	0.27
p-Diethylbenzene	ND		ug/kg	4.0	0.16
p-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/04/15 09:47
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 01,03 Batch: WG791037-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG790409-1 WG790409-2								
Methylene chloride	96		98		70-130	2		20
1,1-Dichloroethane	92		95		70-130	3		20
Chloroform	99		101		70-130	2		20
Carbon tetrachloride	108		109		63-132	1		20
1,2-Dichloropropane	88		90		70-130	2		20
Dibromochloromethane	98		103		63-130	5		20
1,1,2-Trichloroethane	88		91		70-130	3		20
Tetrachloroethene	109		110		70-130	1		20
Chlorobenzene	99		102		75-130	3		20
Trichlorofluoromethane	108		109		62-150	1		20
1,2-Dichloroethane	89		91		70-130	2		20
1,1,1-Trichloroethane	101		103		67-130	2		20
Bromodichloromethane	96		99		67-130	3		20
trans-1,3-Dichloropropene	88		91		70-130	3		20
cis-1,3-Dichloropropene	94		97		70-130	3		20
1,1-Dichloropropene	95		97		70-130	2		20
Bromoform	94		98		54-136	4		20
1,1,2,2-Tetrachloroethane	80		84		67-130	5		20
Benzene	95		97		70-130	2		20
Toluene	93		96		70-130	3		20
Ethylbenzene	93		96		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG790409-1 WG790409-2								
Chloromethane	91		92		64-130	1		20
Bromomethane	128		120		39-139	6		20
Vinyl chloride	95		95		55-140	0		20
Chloroethane	102		102		55-138	0		20
1,1-Dichloroethene	102		103		61-145	1		20
trans-1,2-Dichloroethene	101		103		70-130	2		20
Trichloroethene	102		104		70-130	2		20
1,2-Dichlorobenzene	97		101		70-130	4		20
1,3-Dichlorobenzene	98		101		70-130	3		20
1,4-Dichlorobenzene	98		101		70-130	3		20
Methyl tert butyl ether	81		84		63-130	4		20
p/m-Xylene	98		102		70-130	4		20
o-Xylene	98		102		70-130	4		20
cis-1,2-Dichloroethene	100		102		70-130	2		20
Dibromomethane	95		98		70-130	3		20
1,2,3-Trichloropropane	81		83		64-130	2		20
Acrylonitrile	70		76		70-130	8		20
Styrene	97		101		70-130	4		20
Dichlorodifluoromethane	110		114		36-147	4		20
Acetone	80		84		58-148	5		20
Carbon disulfide	91		93		51-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG790409-1 WG790409-2								
2-Butanone	80		82		63-138	2		20
Vinyl acetate	88		89		70-130	1		20
4-Methyl-2-pentanone	68		73		59-130	7		20
2-Hexanone	61		64		57-130	5		20
Bromochloromethane	117		119		70-130	2		20
2,2-Dichloropropane	105		106		63-133	1		20
1,2-Dibromoethane	93		96		70-130	3		20
1,3-Dichloropropane	85		88		70-130	3		20
1,1,1,2-Tetrachloroethane	103		106		64-130	3		20
Bromobenzene	100		103		70-130	3		20
n-Butylbenzene	91		94		53-136	3		20
sec-Butylbenzene	95		96		70-130	1		20
tert-Butylbenzene	96		98		70-130	2		20
o-Chlorotoluene	93		95		70-130	2		20
p-Chlorotoluene	90		94		70-130	4		20
1,2-Dibromo-3-chloropropane	79		81		41-144	3		20
Hexachlorobutadiene	100		103		63-130	3		20
Isopropylbenzene	92		94		70-130	2		20
p-Isopropyltoluene	97		99		70-130	2		20
Naphthalene	84		88		70-130	5		20
n-Propylbenzene	90		93		69-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG790409-1 WG790409-2								
1,2,3-Trichlorobenzene	94		97		70-130	3		20
1,2,4-Trichlorobenzene	94		98		70-130	4		20
1,3,5-Trimethylbenzene	94		96		64-130	2		20
1,2,4-Trimethylbenzene	94		96		70-130	2		20
1,4-Dioxane	107		115		56-162	7		20
p-Diethylbenzene	96		99		70-130	3		20
p-Ethyltoluene	94		96		70-130	2		20
1,2,4,5-Tetramethylbenzene	92		94		70-130	2		20
Ethyl ether	82		84		59-134	2		20
trans-1,4-Dichloro-2-butene	70		71		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		91		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	90		90		70-130
Dibromofluoromethane	106		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG790608-1 WG790608-2								
Methylene chloride	95		91		70-130	4		30
1,1-Dichloroethane	100		93		70-130	7		30
Chloroform	100		94		70-130	6		30
Carbon tetrachloride	105		94		70-130	11		30
1,2-Dichloropropane	99		94		70-130	5		30
Dibromochloromethane	90		88		70-130	2		30
2-Chloroethylvinyl ether	79		79		70-130	0		30
1,1,2-Trichloroethane	91		88		70-130	3		30
Tetrachloroethene	100		91		70-130	9		30
Chlorobenzene	99		94		70-130	5		30
Trichlorofluoromethane	95		83		70-139	13		30
1,2-Dichloroethane	88		85		70-130	3		30
1,1,1-Trichloroethane	102		93		70-130	9		30
Bromodichloromethane	95		92		70-130	3		30
trans-1,3-Dichloropropene	90		88		70-130	2		30
cis-1,3-Dichloropropene	98		94		70-130	4		30
1,1-Dichloropropene	107		96		70-130	11		30
Bromoform	90		89		70-130	1		30
1,1,2,2-Tetrachloroethane	85		84		70-130	1		30
Benzene	105		98		70-130	7		30
Toluene	100		94		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG790608-1 WG790608-2								
Ethylbenzene	102		95		70-130	7		30
Chloromethane	87		80		52-130	8		30
Bromomethane	94		84		57-147	11		30
Vinyl chloride	98		87		67-130	12		30
Chloroethane	105		93		50-151	12		30
1,1-Dichloroethene	107		95		65-135	12		30
trans-1,2-Dichloroethene	106		98		70-130	8		30
Trichloroethene	106		98		70-130	8		30
1,2-Dichlorobenzene	94		90		70-130	4		30
1,3-Dichlorobenzene	98		94		70-130	4		30
1,4-Dichlorobenzene	96		92		70-130	4		30
Methyl tert butyl ether	90		88		66-130	2		30
p/m-Xylene	106		100		70-130	6		30
o-Xylene	103		98		70-130	5		30
cis-1,2-Dichloroethene	105		99		70-130	6		30
Dibromomethane	92		90		70-130	2		30
Styrene	104		100		70-130	4		30
Dichlorodifluoromethane	79		66		30-146	18		30
Acetone	79		80		54-140	1		30
Carbon disulfide	71		67		59-130	6		30
2-Butanone	79		82		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG790608-1 WG790608-2								
Vinyl acetate	78		76		70-130	3		30
4-Methyl-2-pentanone	73		74		70-130	1		30
1,2,3-Trichloropropane	83		81		68-130	2		30
2-Hexanone	**69**	Q	70		70-130	1		30
Bromochloromethane	103		100		70-130	3		30
2,2-Dichloropropane	101		93		70-130	8		30
1,2-Dibromoethane	91		89		70-130	2		30
1,3-Dichloropropane	89		87		69-130	2		30
1,1,1,2-Tetrachloroethane	97		93		70-130	4		30
Bromobenzene	94		91		70-130	3		30
n-Butylbenzene	104		96		70-130	8		30
sec-Butylbenzene	105		96		70-130	9		30
tert-Butylbenzene	102		94		70-130	8		30
o-Chlorotoluene	98		92		70-130	6		30
p-Chlorotoluene	97		91		70-130	6		30
1,2-Dibromo-3-chloropropane	74		76		68-130	3		30
Hexachlorobutadiene	105		96		67-130	9		30
Isopropylbenzene	104		96		70-130	8		30
p-Isopropyltoluene	105		96		70-130	9		30
Naphthalene	83		82		70-130	1		30
Acrylonitrile	93		89		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG790608-1 WG790608-2								
Diisopropyl Ether	94		90		66-130	4		30
Tert-Butyl Alcohol	**68**	Q	70		70-130	3		30
n-Propylbenzene	102		94		70-130	8		30
1,2,3-Trichlorobenzene	93		92		70-130	1		30
1,2,4-Trichlorobenzene	98		94		70-130	4		30
1,3,5-Trimethylbenzene	100		94		70-130	6		30
1,2,4-Trimethylbenzene	100		94		70-130	6		30
Methyl Acetate	88		87		51-146	1		30
Ethyl Acetate	87		87		70-130	0		30
Acrolein	77		74		70-130	4		30
Cyclohexane	113		99		59-142	13		30
1,4-Dioxane	77		78		65-136	1		30
Freon-113	111		96		50-139	14		30
p-Diethylbenzene	111		103		70-130	7		30
p-Ethyltoluene	112		104		70-130	7		30
1,2,4,5-Tetramethylbenzene	106		100		70-130	6		30
Tetrahydrofuran	82		81		66-130	1		30
Ethyl ether	96		95		67-130	1		30
trans-1,4-Dichloro-2-butene	84		81		70-130	4		30
Methyl cyclohexane	114		100		70-130	13		30
Ethyl-Tert-Butyl-Ether	91		88		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02,04 Batch: WG790608-1 WG790608-2								
Tertiary-Amyl Methyl Ether	90		89		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		84		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	93		93		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG791037-1 WG791037-2								
Methylene chloride	107		107		70-130	0		30
1,1-Dichloroethane	104		102		70-130	2		30
Chloroform	108		105		70-130	3		30
Carbon tetrachloride	105		103		70-130	2		30
1,2-Dichloropropane	106		105		70-130	1		30
Dibromochloromethane	91		90		70-130	1		30
2-Chloroethylvinyl ether	116		116		70-130	0		30
1,1,2-Trichloroethane	95		97		70-130	2		30
Tetrachloroethene	100		98		70-130	2		30
Chlorobenzene	102		102		70-130	0		30
Trichlorofluoromethane	123		119		70-139	3		30
1,2-Dichloroethane	96		97		70-130	1		30
1,1,1-Trichloroethane	106		105		70-130	1		30
Bromodichloromethane	104		104		70-130	0		30
trans-1,3-Dichloropropene	96		96		70-130	0		30
cis-1,3-Dichloropropene	112		111		70-130	1		30
1,1-Dichloropropene	117		113		70-130	3		30
Bromoform	88		90		70-130	2		30
1,1,2,2-Tetrachloroethane	85		86		70-130	1		30
Benzene	111		109		70-130	2		30
Toluene	99		98		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG791037-1 WG791037-2								
Ethylbenzene	104		103		70-130	1		30
Chloromethane	91		89		52-130	2		30
Bromomethane	128		129		57-147	1		30
Vinyl chloride	114		109		67-130	4		30
Chloroethane	141		135		50-151	4		30
1,1-Dichloroethene	115		112		65-135	3		30
trans-1,2-Dichloroethene	116		111		70-130	4		30
Trichloroethene	114		111		70-130	3		30
1,2-Dichlorobenzene	93		92		70-130	1		30
1,3-Dichlorobenzene	97		95		70-130	2		30
1,4-Dichlorobenzene	94		94		70-130	0		30
Methyl tert butyl ether	103		103		66-130	0		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	108		108		70-130	0		30
cis-1,2-Dichloroethene	116		114		70-130	2		30
Dibromomethane	107		108		70-130	1		30
Styrene	110		110		70-130	0		30
Dichlorodifluoromethane	101		97		30-146	4		30
Acetone	72		77		54-140	7		30
Carbon disulfide	128		127		59-130	1		30
2-Butanone	86		88		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG791037-1 WG791037-2								
Vinyl acetate	86		87		70-130	1		30
4-Methyl-2-pentanone	89		87		70-130	2		30
1,2,3-Trichloropropane	84		84		68-130	0		30
2-Hexanone	**68**	Q	70		70-130	3		30
Bromochloromethane	111		109		70-130	2		30
2,2-Dichloropropane	108		104		70-130	4		30
1,2-Dibromoethane	94		95		70-130	1		30
1,3-Dichloropropane	94		94		69-130	0		30
1,1,1,2-Tetrachloroethane	93		93		70-130	0		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	104		103		70-130	1		30
sec-Butylbenzene	105		102		70-130	3		30
tert-Butylbenzene	98		96		70-130	2		30
o-Chlorotoluene	97		106		70-130	9		30
p-Chlorotoluene	98		98		70-130	0		30
1,2-Dibromo-3-chloropropane	81		83		68-130	2		30
Hexachlorobutadiene	97		96		67-130	1		30
Isopropylbenzene	100		98		70-130	2		30
p-Isopropyltoluene	102		100		70-130	2		30
Naphthalene	84		86		70-130	2		30
Acrylonitrile	86		86		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG791037-1 WG791037-2								
Diisopropyl Ether	94		94		66-130	0		30
Tert-Butyl Alcohol	81		80		70-130	1		30
n-Propylbenzene	101		98		70-130	3		30
1,2,3-Trichlorobenzene	95		97		70-130	2		30
1,2,4-Trichlorobenzene	99		100		70-130	1		30
1,3,5-Trimethylbenzene	100		98		70-130	2		30
1,2,4-Trimethylbenzene	101		100		70-130	1		30
Methyl Acetate	76		78		51-146	3		30
Ethyl Acetate	77		78		70-130	1		30
Acrolein	85		83		70-130	2		30
Cyclohexane	100		98		59-142	2		30
1,4-Dioxane	102		101		65-136	1		30
Freon-113	107		106		50-139	1		30
p-Diethylbenzene	100		99		70-130	1		30
p-Ethyltoluene	101		99		70-130	2		30
1,2,4,5-Tetramethylbenzene	97		97		70-130	0		30
Tetrahydrofuran	80		78		66-130	3		30
Ethyl ether	111		109		67-130	2		30
trans-1,4-Dichloro-2-butene	74		74		70-130	0		30
Methyl cyclohexane	112		108		70-130	4		30
Ethyl-Tert-Butyl-Ether	102		102		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01,03 Batch: WG791037-1 WG791037-2								
Tertiary-Amyl Methyl Ether	106		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		82		70-130
Toluene-d8	94		94		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	96		95		70-130

SEMIVOLATILES

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01
Client ID: SB11_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/05/15 13:57
Analyst: AS
Percent Solids: 89%

Date Collected: 06/01/15 10:50
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	40.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	ND		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	52.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	ND		ug/kg	160	49.	1
Naphthalene	ND		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	44.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01 Date Collected: 06/01/15 10:50

Client ID: SB11_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	110	36.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	37.	1
Benzo(k)fluoranthene	ND		ug/kg	110	35.	1
Chrysene	ND		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	ND		ug/kg	110	30.	1
Benzo(ghi)perylene	ND		ug/kg	150	38.	1
Fluorene	ND		ug/kg	180	52.	1
Phenanthrene	ND		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	150	41.	1
Pyrene	ND		ug/kg	110	36.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	52.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	ND		ug/kg	180	61.	1
2-Methylnaphthalene	ND		ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	57.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	400	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	39.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01 Date Collected: 06/01/15 10:50

Client ID: SB11_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	79		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02
Client ID: SB11_8-9
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/05/15 14:21
Analyst: AS
Percent Solids: 84%

Date Collected: 06/01/15 11:05
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	ND		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02 Date Collected: 06/01/15 11:05

Client ID: SB11_8-9 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	38.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	40.	1
Benzo(k)fluoranthene	ND		ug/kg	120	37.	1
Chrysene	ND		ug/kg	120	38.	1
Acenaphthylene	ND		ug/kg	160	37.	1
Anthracene	ND		ug/kg	120	33.	1
Benzo(ghi)perylene	ND		ug/kg	160	41.	1
Fluorene	ND		ug/kg	200	56.	1
Phenanthrene	ND		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	44.	1
Pyrene	ND		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	ND		ug/kg	200	65.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	42.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02 Date Collected: 06/01/15 11:05

Client ID: SB11_8-9 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	66		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03
Client ID: SB10_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/05/15 15:11
Analyst: AS
Percent Solids: 80%

Date Collected: 06/01/15 12:00
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1400		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	15000	E	ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	58.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	440		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03 Date Collected: 06/01/15 12:00

Client ID: SB10_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	13000	E	ug/kg	120	40.	1
Benzo(a)pyrene	9200	E	ug/kg	160	50.	1
Benzo(b)fluoranthene	11000	E	ug/kg	120	41.	1
Benzo(k)fluoranthene	3200		ug/kg	120	39.	1
Chrysene	14000	E	ug/kg	120	40.	1
Acenaphthylene	700		ug/kg	160	38.	1
Anthracene	4200		ug/kg	120	34.	1
Benzo(ghi)perylene	5600		ug/kg	160	42.	1
Fluorene	1300		ug/kg	200	58.	1
Phenanthrene	17000	E	ug/kg	120	40.	1
Dibenzo(a,h)anthracene	1600		ug/kg	120	40.	1
Indeno(1,2,3-cd)Pyrene	5400		ug/kg	160	45.	1
Pyrene	17000	E	ug/kg	120	40.	1
Biphenyl	89	J	ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	58.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	670		ug/kg	200	68.	1
2-Methylnaphthalene	440		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	75.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	68	J	ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	1500		ug/kg	200	44.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03 Date Collected: 06/01/15 12:00

Client ID: SB10_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	74		18-120

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03 D
Client ID: SB10_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/06/15 18:44
Analyst: AS
Percent Solids: 80%

Date Collected: 06/01/15 12:00
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	19000		ug/kg	610	190	5
Benzo(a)anthracene	12000		ug/kg	610	200	5
Benzo(a)pyrene	9000		ug/kg	820	250	5
Benzo(b)fluoranthene	11000		ug/kg	610	210	5
Chrysene	15000		ug/kg	610	200	5
Phenanthrene	22000		ug/kg	610	200	5
Pyrene	22000		ug/kg	610	200	5

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04
Client ID: SB10_7-8
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/06/15 18:19
Analyst: AS
Percent Solids: 84%

Date Collected: 06/01/15 12:15
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	40	J	ug/kg	160	40.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	64.	1
Hexachlorobenzene	ND		ug/kg	120	36.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	55.	1
2-Chloronaphthalene	ND		ug/kg	200	64.	1
1,2-Dichlorobenzene	ND		ug/kg	200	64.	1
1,3-Dichlorobenzene	ND		ug/kg	200	62.	1
1,4-Dichlorobenzene	ND		ug/kg	200	60.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	42.	1
2,6-Dinitrotoluene	ND		ug/kg	200	50.	1
Fluoranthene	1000		ug/kg	120	36.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	60.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	45.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	69.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	59.	1
Hexachlorobutadiene	ND		ug/kg	200	55.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	120	1
Hexachloroethane	ND		ug/kg	160	36.	1
Isophorone	ND		ug/kg	180	52.	1
Naphthalene	ND		ug/kg	200	65.	1
Nitrobenzene	ND		ug/kg	180	47.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	41.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	58.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	200	51.	1
Butyl benzyl phthalate	ND		ug/kg	200	38.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	48.	1
Diethyl phthalate	ND		ug/kg	200	41.	1
Dimethyl phthalate	ND		ug/kg	200	50.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04 Date Collected: 06/01/15 12:15

Client ID: SB10_7-8 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	430		ug/kg	120	38.	1
Benzo(a)pyrene	340		ug/kg	160	48.	1
Benzo(b)fluoranthene	460		ug/kg	120	40.	1
Benzo(k)fluoranthene	170		ug/kg	120	37.	1
Chrysene	480		ug/kg	120	38.	1
Acenaphthylene	120	J	ug/kg	160	37.	1
Anthracene	170		ug/kg	120	33.	1
Benzo(ghi)perylene	180		ug/kg	160	41.	1
Fluorene	73	J	ug/kg	200	56.	1
Phenanthrene	950		ug/kg	120	38.	1
Dibenzo(a,h)anthracene	49	J	ug/kg	120	38.	1
Indeno(1,2,3-cd)Pyrene	200		ug/kg	160	44.	1
Pyrene	820		ug/kg	120	38.	1
Biphenyl	ND		ug/kg	450	65.	1
4-Chloroaniline	ND		ug/kg	200	52.	1
2-Nitroaniline	ND		ug/kg	200	55.	1
3-Nitroaniline	ND		ug/kg	200	54.	1
4-Nitroaniline	ND		ug/kg	200	53.	1
Dibenzofuran	73	J	ug/kg	200	66.	1
2-Methylnaphthalene	ND		ug/kg	240	63.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	61.	1
Acetophenone	ND		ug/kg	200	61.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
P-Chloro-M-Cresol	ND		ug/kg	200	57.	1
2-Chlorophenol	ND		ug/kg	200	59.	1
2,4-Dichlorophenol	ND		ug/kg	180	64.	1
2,4-Dimethylphenol	ND		ug/kg	200	58.	1
2-Nitrophenol	ND		ug/kg	420	61.	1
4-Nitrophenol	ND		ug/kg	270	64.	1
2,4-Dinitrophenol	ND		ug/kg	940	270	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	72.	1
Pentachlorophenol	ND		ug/kg	160	42.	1
Phenol	ND		ug/kg	200	58.	1
2-Methylphenol	ND		ug/kg	200	63.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	64.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	64.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	66	J	ug/kg	200	42.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04 Date Collected: 06/01/15 12:15

Client ID: SB10_7-8 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	90		10-136
4-Terphenyl-d14	56		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/05/15 11:04
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG789989-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	160	54.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	54.
1,3-Dichlorobenzene	ND		ug/kg	160	52.
1,4-Dichlorobenzene	ND		ug/kg	160	50.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	58.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	470	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	49.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.
Di-n-butylphthalate	ND		ug/kg	160	32.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/05/15 11:04
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG789989-1					
Dimethyl phthalate	ND		ug/kg	160	42.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	55.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	51.
Acetophenone	ND		ug/kg	160	51.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	49.
2-Nitrophenol	ND		ug/kg	350	51.

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/05/15 11:04
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG789989-1					
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	53.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	54.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	97		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG789989-2 WG789989-3								
Acenaphthene	76		78		31-137	3		50
1,2,4-Trichlorobenzene	71		75		38-107	5		50
Hexachlorobenzene	81		83		40-140	2		50
Bis(2-chloroethyl)ether	72		79		40-140	9		50
2-Chloronaphthalene	78		82		40-140	5		50
1,2-Dichlorobenzene	71		76		40-140	7		50
1,3-Dichlorobenzene	69		74		40-140	7		50
1,4-Dichlorobenzene	68		74		28-104	8		50
3,3'-Dichlorobenzidine	107		106		40-140	1		50
2,4-Dinitrotoluene	81		82		28-89	1		50
2,6-Dinitrotoluene	81		84		40-140	4		50
Fluoranthene	84		86		40-140	2		50
4-Chlorophenyl phenyl ether	77		80		40-140	4		50
4-Bromophenyl phenyl ether	81		84		40-140	4		50
Bis(2-chloroisopropyl)ether	74		79		40-140	7		50
Bis(2-chloroethoxy)methane	79		84		40-117	6		50
Hexachlorobutadiene	70		76		40-140	8		50
Hexachlorocyclopentadiene	94		98		40-140	4		50
Hexachloroethane	68		73		40-140	7		50
Isophorone	80		85		40-140	6		50
Naphthalene	76		80		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG789989-2 WG789989-3								
Nitrobenzene	71		75		40-140	5		50
NitrosoDiPhenylAmine(NDPA)/DPA	82		82		36-157	0		50
n-Nitrosodi-n-propylamine	78		83		32-121	6		50
Bis(2-Ethylhexyl)phthalate	87		91		40-140	4		50
Butyl benzyl phthalate	93		94		40-140	1		50
Di-n-butylphthalate	82		87		40-140	6		50
Di-n-octylphthalate	95		97		40-140	2		50
Diethyl phthalate	76		79		40-140	4		50
Dimethyl phthalate	78		81		40-140	4		50
Benzo(a)anthracene	78		81		40-140	4		50
Benzo(a)pyrene	84		87		40-140	4		50
Benzo(b)fluoranthene	78		83		40-140	6		50
Benzo(k)fluoranthene	76		76		40-140	0		50
Chrysene	77		79		40-140	3		50
Acenaphthylene	81		83		40-140	2		50
Anthracene	83		87		40-140	5		50
Benzo(ghi)perylene	85		87		40-140	2		50
Fluorene	81		82		40-140	1		50
Phenanthrene	77		80		40-140	4		50
Dibenzo(a,h)anthracene	87		90		40-140	3		50
Indeno(1,2,3-cd)Pyrene	85		86		40-140	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG789989-2 WG789989-3								
Pyrene	82		84		35-142	2		50
Biphenyl	78		82		54-104	5		50
4-Chloroaniline	72		65		40-140	10		50
2-Nitroaniline	85		85		47-134	0		50
3-Nitroaniline	68		66		26-129	3		50
4-Nitroaniline	81		79		41-125	3		50
Dibenzofuran	79		81		40-140	3		50
2-Methylnaphthalene	77		80		40-140	4		50
1,2,4,5-Tetrachlorobenzene	74		78		40-117	5		50
Acetophenone	76		81		14-144	6		50
2,4,6-Trichlorophenol	82		83		30-130	1		50
P-Chloro-M-Cresol	82		84		26-103	2		50
2-Chlorophenol	75		79		25-102	5		50
2,4-Dichlorophenol	79		81		30-130	3		50
2,4-Dimethylphenol	88		89		30-130	1		50
2-Nitrophenol	79		84		30-130	6		50
4-Nitrophenol	81		81		11-114	0		50
2,4-Dinitrophenol	54		57		4-130	5		50
4,6-Dinitro-o-cresol	70		74		10-130	6		50
Pentachlorophenol	88		93		17-109	6		50
Phenol	76		78		26-90	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG789989-2 WG789989-3								
2-Methylphenol	81		83		30-130.	2		50
3-Methylphenol/4-Methylphenol	81		86		30-130	6		50
2,4,5-Trichlorophenol	84		85		30-130	1		50
Benzoic Acid	**83**	Q	**83**	Q	10-66	0		50
Benzyl Alcohol	80		84		40-140	5		50
Carbazole	82		84		54-128	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		80		25-120
Phenol-d6	82		84		10-120
Nitrobenzene-d5	78		81		23-120
2-Fluorobiphenyl	82		85		30-120
2,4,6-Tribromophenol	91		93		10-136
4-Terphenyl-d14	90		92		18-120

PCBS

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01
Client ID: SB11_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/03/15 07:22
Analyst: KB
Percent Solids: 89%

Date Collected: 06/01/15 10:50
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 13:45
Cleanup Method: EPA 3665A
Cleanup Date: 06/03/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	2.95	1	A
Aroclor 1221	ND		ug/kg	37.4	3.44	1	A
Aroclor 1232	ND		ug/kg	37.4	4.38	1	A
Aroclor 1242	ND		ug/kg	37.4	4.57	1	A
Aroclor 1248	ND		ug/kg	37.4	3.15	1	A
Aroclor 1254	ND		ug/kg	37.4	3.07	1	A
Aroclor 1260	ND		ug/kg	37.4	2.85	1	A
Aroclor 1262	ND		ug/kg	37.4	1.85	1	A
Aroclor 1268	ND		ug/kg	37.4	5.42	1	A
PCBs, Total	ND		ug/kg	37.4	1.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02
Client ID: SB11_8-9
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/03/15 07:37
Analyst: KB
Percent Solids: 84%

Date Collected: 06/01/15 11:05
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 13:45
Cleanup Method: EPA 3665A
Cleanup Date: 06/03/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.8	2.98	1	A
Aroclor 1221	ND		ug/kg	37.8	3.48	1	A
Aroclor 1232	ND		ug/kg	37.8	4.42	1	A
Aroclor 1242	ND		ug/kg	37.8	4.62	1	A
Aroclor 1248	ND		ug/kg	37.8	3.19	1	A
Aroclor 1254	ND		ug/kg	37.8	3.10	1	A
Aroclor 1260	ND		ug/kg	37.8	2.88	1	A
Aroclor 1262	ND		ug/kg	37.8	1.87	1	A
Aroclor 1268	ND		ug/kg	37.8	5.47	1	A
PCBs, Total	ND		ug/kg	37.8	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID:	L1512012-03	Date Collected:	06/01/15 12:00
Client ID:	SB10_1-2	Date Received:	06/01/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/02/15 13:45
Analytical Date:	06/03/15 07:51	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/03/15
Percent Solids:	80%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.1	3.17	1	A
Aroclor 1221	ND		ug/kg	40.1	3.70	1	A
Aroclor 1232	ND		ug/kg	40.1	4.70	1	A
Aroclor 1242	ND		ug/kg	40.1	4.91	1	A
Aroclor 1248	ND		ug/kg	40.1	3.38	1	A
Aroclor 1254	ND		ug/kg	40.1	3.30	1	A
Aroclor 1260	ND		ug/kg	40.1	3.06	1	A
Aroclor 1262	ND		ug/kg	40.1	1.99	1	A
Aroclor 1268	ND		ug/kg	40.1	5.81	1	A
PCBs, Total	ND		ug/kg	40.1	1.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID:	L1512012-04	Date Collected:	06/01/15 12:15
Client ID:	SB10_7-8	Date Received:	06/01/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/02/15 13:45
Analytical Date:	06/03/15 08:06	Cleanup Method:	EPA 3665A
Analyst:	KB	Cleanup Date:	06/03/15
Percent Solids:	84%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.7	2.98	1	A
Aroclor 1221	ND		ug/kg	37.7	3.48	1	A
Aroclor 1232	ND		ug/kg	37.7	4.42	1	A
Aroclor 1242	ND		ug/kg	37.7	4.61	1	A
Aroclor 1248	ND		ug/kg	37.7	3.18	1	A
Aroclor 1254	ND		ug/kg	37.7	3.10	1	A
Aroclor 1260	ND		ug/kg	37.7	2.87	1	A
Aroclor 1262	ND		ug/kg	37.7	1.87	1	A
Aroclor 1268	ND		ug/kg	37.7	5.46	1	A
PCBs, Total	ND		ug/kg	37.7	1.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/03/15 08:35
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 06/02/15 13:45
Cleanup Method: EPA 3665A
Cleanup Date: 06/03/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04 Batch: WG790022-1						
Aroclor 1016	ND		ug/kg	33.1	2.62	A
Aroclor 1221	ND		ug/kg	33.1	3.05	A
Aroclor 1232	ND		ug/kg	33.1	3.88	A
Aroclor 1242	ND		ug/kg	33.1	4.05	A
Aroclor 1248	ND		ug/kg	33.1	2.79	A
Aroclor 1254	ND		ug/kg	33.1	2.72	A
Aroclor 1260	ND		ug/kg	33.1	2.52	A
Aroclor 1262	ND		ug/kg	33.1	1.64	A
Aroclor 1268	ND		ug/kg	33.1	4.80	A
PCBs, Total	ND		ug/kg	33.1	1.64	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	51		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG790022-2 WG790022-3									
Aroclor 1016	78		79		40-140	1		50	A
Aroclor 1260	74		76		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		68		30-150	A
Decachlorobiphenyl	69		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		70		30-150	B
Decachlorobiphenyl	54		55		30-150	B

PESTICIDES

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01
Client ID: SB11_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/06/15 17:13
Analyst: TQ
Percent Solids: 89%

Date Collected: 06/01/15 10:50
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01
Cleanup Method: EPA 3620B
Cleanup Date: 06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.331	1	A
Lindane	ND		ug/kg	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	2.02	J	ug/kg	3.17	1.36	1	B
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	ND		ug/kg	3.17	0.987	1	A
Toxaphene	ND		ug/kg	31.7	8.88	1	A
cis-Chlordane	ND		ug/kg	2.12	0.589	1	A
trans-Chlordane	ND		ug/kg	2.12	0.558	1	A
Chlordane	ND		ug/kg	13.7	5.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	51		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	46		30-150	A

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01
Client ID: SB11_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/05/15 09:36
Analyst: KB
Percent Solids: 89%
Methylation Date: 06/04/15 20:02

Date Collected: 06/01/15 10:50
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 06/02/15 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	22.6	1	A
2,4,5-T	ND		ug/kg	186	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	71		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02
Client ID: SB11_8-9
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/06/15 17:26
Analyst: TQ
Percent Solids: 84%

Date Collected: 06/01/15 11:05
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01
Cleanup Method: EPA 3620B
Cleanup Date: 06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.779	0.348	1	A
Alpha-BHC	ND		ug/kg	0.779	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.709	1	A
Heptachlor	ND		ug/kg	0.935	0.419	1	A
Aldrin	ND		ug/kg	1.87	0.658	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.779	0.320	1	A
Endrin ketone	ND		ug/kg	1.87	0.482	1	A
Dieldrin	ND		ug/kg	1.17	0.584	1	A
4,4'-DDE	ND		ug/kg	1.87	0.432	1	A
4,4'-DDD	ND		ug/kg	1.87	0.667	1	A
4,4'-DDT	4.86		ug/kg	3.51	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.779	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.82	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A
trans-Chlordane	ND		ug/kg	2.34	0.617	1	A
Chlordane	ND		ug/kg	15.2	6.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	59		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02
Client ID: SB11_8-9
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/05/15 09:56
Analyst: KB
Percent Solids: 84%
Methylation Date: 06/04/15 20:02

Date Collected: 06/01/15 11:05
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 06/02/15 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.8	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	78		30-150	A
DCAA	73		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03
Client ID: SB10_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/06/15 19:15
Analyst: TQ
Percent Solids: 80%

Date Collected: 06/01/15 12:00
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01
Cleanup Method: EPA 3620B
Cleanup Date: 06/03/15

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 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	0.706	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	43		30-150	B
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03
Client ID: SB10_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/05/15 10:15
Analyst: KB
Percent Solids: 80%
Methylation Date: 06/04/15 20:02

Date Collected: 06/01/15 12:00
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 06/02/15 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	205	24.9	1	A
2,4,5-T	ND		ug/kg	205	12.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	205	11.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	51		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04
Client ID: SB10_7-8
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/06/15 19:28
Analyst: TQ
Percent Solids: 84%

Date Collected: 06/01/15 12:15
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01
Cleanup Method: EPA 3620B
Cleanup Date: 06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.777	0.348	1	A
Alpha-BHC	ND		ug/kg	0.777	0.221	1	A
Beta-BHC	ND		ug/kg	1.86	0.708	1	A
Heptachlor	ND		ug/kg	0.933	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.657	1	A
Heptachlor epoxide	ND		ug/kg	3.50	1.05	1	A
Endrin	ND		ug/kg	0.777	0.319	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.17	0.583	1	A
4,4'-DDE	ND		ug/kg	1.86	0.432	1	A
4,4'-DDD	ND		ug/kg	1.86	0.666	1	A
4,4'-DDT	ND		ug/kg	3.50	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.441	1	A
Endosulfan II	ND		ug/kg	1.86	0.624	1	A
Endosulfan sulfate	ND		ug/kg	0.777	0.370	1	A
Methoxychlor	ND		ug/kg	3.50	1.09	1	A
Toxaphene	ND		ug/kg	35.0	9.80	1	A
cis-Chlordane	ND		ug/kg	2.33	0.650	1	A
trans-Chlordane	ND		ug/kg	2.33	0.616	1	A
Chlordane	ND		ug/kg	15.2	6.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	45		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	68		30-150	A

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04
Client ID: SB10_7-8
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/05/15 10:35
Analyst: KB
Percent Solids: 84%
Methylation Date: 06/04/15 20:02

Date Collected: 06/01/15 12:15
Date Received: 06/01/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 06/02/15 16:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	196	23.8	1	A
2,4,5-T	ND		ug/kg	196	12.2	1	A
2,4,5-TP (Silvex)	ND		ug/kg	196	10.8	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	84		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/06/15 16:34
Analyst: TQ

Extraction Method: EPA 3546
Extraction Date: 06/02/15 12:01
Cleanup Method: EPA 3620B
Cleanup Date: 06/03/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04 Batch: WG789988-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.663	0.296	A
Alpha-BHC	ND		ug/kg	0.663	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.795	0.356	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.895	A
Endrin	ND		ug/kg	0.663	0.272	A
Endrin ketone	ND		ug/kg	1.59	0.410	A
Dieldrin	ND		ug/kg	0.994	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.567	A
4,4'-DDT	ND		ug/kg	2.98	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.376	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.663	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.928	A
Toxaphene	ND		ug/kg	29.8	8.35	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.525	A
Chlordane	ND		ug/kg	12.9	5.27	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	60		30-150	A

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/05/15 08:37
Analyst: KB

Extraction Method: EPA 8151A
Extraction Date: 06/02/15 16:38

Methylation Date: 06/04/15 20:02

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-04 Batch: WG790087-1						
2,4-D	ND		ug/kg	164	19.9	A
2,4,5-T	ND		ug/kg	164	10.2	A
2,4,5-TP (Silvex)	ND		ug/kg	164	9.04	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	87		30-150	A
DCAA	82		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG789988-2 WG789988-3									
Delta-BHC	62		75		30-150	19		30	A
Lindane	69		84		30-150	20		30	A
Alpha-BHC	78		88		30-150	12		30	A
Beta-BHC	68		85		30-150	22		30	A
Heptachlor	81		92		30-150	13		30	A
Aldrin	79		89		30-150	12		30	A
Heptachlor epoxide	74		84		30-150	13		30	A
Endrin	75		87		30-150	15		30	A
Endrin ketone	54		72		30-150	29		30	A
Dieldrin	77		88		30-150	13		30	A
4,4'-DDE	78		87		30-150	11		30	A
4,4'-DDD	82		93		30-150	13		30	A
4,4'-DDT	82		91		30-150	10		30	A
Endosulfan I	69		78		30-150	12		30	A
Endosulfan II	68		86		30-150	23		30	A
Endosulfan sulfate	50		68		30-150	**31**	Q	30	A
Methoxychlor	71		82		30-150	14		30	A
cis-Chlordane	73		82		30-150	12		30	A
trans-Chlordane	75		84		30-150	11		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG789988-2 WG789988-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		97		30-150	B
Decachlorobiphenyl	75		81		30-150	B
2,4,5,6-Tetrachloro-m-xylene	91		99		30-150	A
Decachlorobiphenyl	52		66		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-04 Batch: WG790087-2 WG790087-3									
2,4-D	67		75		30-150	11		30	A
2,4,5-T	70		74		30-150	6		30	A
2,4,5-TP (Silvex)	73		78		30-150	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	71		76		30-150	A
DCAA	80		78		30-150	B

METALS

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01 Date Collected: 06/01/15 10:50

Client ID: SB11_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4500		mg/kg	8.5	1.7	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.2	0.68	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Arsenic, Total	3.1		mg/kg	0.85	0.17	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Barium, Total	49		mg/kg	0.85	0.25	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26	J	mg/kg	0.42	0.09	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.85	0.06	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Calcium, Total	5800		mg/kg	8.5	2.5	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Chromium, Total	13		mg/kg	0.85	0.17	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Cobalt, Total	5.7		mg/kg	1.7	0.42	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Copper, Total	36		mg/kg	0.85	0.17	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Iron, Total	11000		mg/kg	4.2	1.7	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Lead, Total	73		mg/kg	4.2	0.17	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Magnesium, Total	2200		mg/kg	8.5	0.85	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Manganese, Total	310		mg/kg	0.85	0.17	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Mercury, Total	0.50		mg/kg	0.08	0.02	1	06/02/15 03:27	06/02/15 12:33	EPA 7471B	1,7471B	DB
Nickel, Total	19		mg/kg	2.1	0.34	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Potassium, Total	920		mg/kg	210	34.	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.7	0.25	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.85	0.17	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Sodium, Total	650		mg/kg	170	25.	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.7	0.34	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.85	0.09	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH
Zinc, Total	26		mg/kg	4.2	0.59	2	06/02/15 15:42	06/03/15 19:09	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02 Date Collected: 06/01/15 11:05

Client ID: SB11_8-9 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3900		mg/kg	9.4	1.9	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.75	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Arsenic, Total	1.6		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Barium, Total	35		mg/kg	0.94	0.28	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Beryllium, Total	0.20	J	mg/kg	0.47	0.09	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.94	0.07	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Calcium, Total	14000		mg/kg	9.4	2.8	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Cobalt, Total	3.8		mg/kg	1.9	0.47	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Copper, Total	12		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Iron, Total	7800		mg/kg	4.7	1.9	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Lead, Total	54		mg/kg	4.7	0.19	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Magnesium, Total	1800		mg/kg	9.4	0.94	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Manganese, Total	220		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Mercury, Total	0.05	J	mg/kg	0.08	0.02	1	06/02/15 03:27	06/02/15 12:35	EPA 7471B	1,7471B	DB
Nickel, Total	11		mg/kg	2.3	0.37	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Potassium, Total	700		mg/kg	230	37.	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Sodium, Total	620		mg/kg	190	28.	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.37	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Vanadium, Total	9.9		mg/kg	0.94	0.09	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH
Zinc, Total	21		mg/kg	4.7	0.66	2	06/02/15 15:42	06/03/15 19:13	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03 Date Collected: 06/01/15 12:00

Client ID: SB10_1-2 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4100		mg/kg	9.4	1.9	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.7	0.76	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Arsenic, Total	3.7		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Barium, Total	100		mg/kg	0.94	0.28	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Beryllium, Total	0.20	J	mg/kg	0.47	0.09	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.94	0.07	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Calcium, Total	12000		mg/kg	9.4	2.8	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Chromium, Total	12		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Cobalt, Total	4.5		mg/kg	1.9	0.47	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Copper, Total	43		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	4.7	1.9	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Lead, Total	360		mg/kg	4.7	0.19	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Magnesium, Total	2500		mg/kg	9.4	0.94	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Manganese, Total	360		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Mercury, Total	0.23		mg/kg	0.08	0.02	1	06/02/15 03:27	06/02/15 12:37	EPA 7471B	1,7471B	DB
Nickel, Total	15		mg/kg	2.4	0.38	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Potassium, Total	840		mg/kg	240	38.	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	1.9	0.28	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.94	0.19	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Sodium, Total	750		mg/kg	190	28.	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.9	0.38	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Vanadium, Total	15		mg/kg	0.94	0.09	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH
Zinc, Total	170		mg/kg	4.7	0.66	2	06/02/15 15:42	06/03/15 19:17	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04 Date Collected: 06/01/15 12:15

Client ID: SB10_7-8 Date Received: 06/01/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3700		mg/kg	9.2	1.8	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	4.6	0.74	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Arsenic, Total	3.2		mg/kg	0.92	0.18	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Barium, Total	60		mg/kg	0.92	0.28	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Beryllium, Total	0.19	J	mg/kg	0.46	0.09	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Cadmium, Total	0.52	J	mg/kg	0.92	0.06	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Calcium, Total	36000		mg/kg	9.2	2.8	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Chromium, Total	11		mg/kg	0.92	0.18	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Cobalt, Total	3.2		mg/kg	1.8	0.46	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Copper, Total	27		mg/kg	0.92	0.18	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Iron, Total	16000		mg/kg	4.6	1.8	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Lead, Total	120		mg/kg	4.6	0.18	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Magnesium, Total	7800		mg/kg	9.2	0.92	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Manganese, Total	340		mg/kg	0.92	0.18	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Mercury, Total	0.34		mg/kg	0.08	0.02	1	06/02/15 03:27	06/02/15 12:42	EPA 7471B	1,7471B	DB
Nickel, Total	16		mg/kg	2.3	0.37	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Potassium, Total	660		mg/kg	230	37.	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Selenium, Total	0.29	J	mg/kg	1.8	0.28	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Silver, Total	0.22	J	mg/kg	0.92	0.18	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Sodium, Total	510		mg/kg	180	28.	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.8	0.37	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Vanadium, Total	11		mg/kg	0.92	0.09	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH
Zinc, Total	560		mg/kg	4.6	0.64	2	06/02/15 15:42	06/03/15 19:21	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-05
Client ID: SB05C_7-8
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 81%

Date Collected: 06/01/15 15:40
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Copper, Total	57		mg/kg	0.47	0.09	1	06/03/15 17:41	06/05/15 17:45	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-06
Client ID: SB05N_5-6
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 86%

Date Collected: 06/01/15 15:30
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Copper, Total	170		mg/kg	0.46	0.09	1	06/03/15 17:41	06/05/15 17:49	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-07
Client ID: SB05E_5-6
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 89%

Date Collected: 06/01/15 16:05
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Copper, Total	9.3		mg/kg	0.42	0.08	1	06/03/15 17:41	06/05/15 18:31	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512012
Project Number: 170361501
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-08
Client ID: SB05W_5-6
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/01/15 16:00
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Copper, Total	31		mg/kg	0.45	0.09	1	06/03/15 17:41	06/05/15 18:35	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG789815-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/02/15 03:27	06/02/15 11:59	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04 Batch: WG790058-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Calcium, Total	4.5		mg/kg	4.0	1.2	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Chromium, Total	0.08	J	mg/kg	0.40	0.08	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Iron, Total	0.84	J	mg/kg	2.0	0.80	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Manganese, Total	0.08	J	mg/kg	0.40	0.08	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH
Zinc, Total	0.76	J	mg/kg	2.0	0.28	1	06/02/15 15:42	06/03/15 17:31	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512012

Project Number: 170361501 **Report Date:** 06/08/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 05-08 Batch: WG790477-1										
Copper, Total	ND		mg/kg	0.40	0.08	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG789815-2 SRM Lot Number: D088-540								
Mercury, Total	128		-		72-128	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG790058-2 SRM Lot Number: D088-540					
Aluminum, Total	79	-	48-151	-	
Antimony, Total	159	-	1-208	-	
Arsenic, Total	88	-	79-121	-	
Barium, Total	88	-	83-117	-	
Beryllium, Total	90	-	83-117	-	
Cadmium, Total	86	-	83-117	-	
Calcium, Total	85	-	81-119	-	
Chromium, Total	89	-	80-120	-	
Cobalt, Total	90	-	84-115	-	
Copper, Total	90	-	81-118	-	
Iron, Total	89	-	45-155	-	
Lead, Total	82	-	81-117	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	88	-	81-118	-	
Nickel, Total	86	-	83-117	-	
Potassium, Total	93	-	71-129	-	
Selenium, Total	97	-	78-122	-	
Silver, Total	96	-	75-124	-	
Sodium, Total	90	-	72-127	-	
Thallium, Total	85	-	80-120	-	
Vanadium, Total	89	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 Batch: WG790058-2 SRM Lot Number: D088-540					
Zinc, Total	88	-	82-118	-	
Total Metals - Westborough Lab Associated sample(s): 05-08 Batch: WG790477-2 SRM Lot Number: D088-540					
Copper, Total	82	-	81-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG789815-4 QC Sample: L1512027-01 Client ID: MS Sample												
Mercury, Total	0.62	0.127	1.4	**613**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG790058-4 QC Sample: L1511982-01 Client ID: MS Sample										
Aluminum, Total	5900	186	7800	**1020**	Q	-	-	75-125	-	20
Antimony, Total	ND	46.4	37	80		-	-	75-125	-	20
Arsenic, Total	2.0	11.1	12	90		-	-	75-125	-	20
Barium, Total	38.	186	210	93		-	-	75-125	-	20
Beryllium, Total	0.31J	4.64	4.3	93		-	-	75-125	-	20
Cadmium, Total	ND	4.73	4.2	89		-	-	75-125	-	20
Calcium, Total	9400	928	7400	**0**	Q	-	-	75-125	-	20
Chromium, Total	12.	18.6	28	86		-	-	75-125	-	20
Cobalt, Total	4.4	46.4	45	88		-	-	75-125	-	20
Copper, Total	17.	23.2	39	95		-	-	75-125	-	20
Iron, Total	9600	92.8	11000	**1510**	Q	-	-	75-125	-	20
Lead, Total	55.	47.3	110	116		-	-	75-125	-	20
Magnesium, Total	2600	928	3400	86		-	-	75-125	-	20
Manganese, Total	250	46.4	330	**172**	Q	-	-	75-125	-	20
Nickel, Total	9.4	46.4	48	83		-	-	75-125	-	20
Potassium, Total	630	928	1600	104		-	-	75-125	-	20
Selenium, Total	ND	11.1	10	90		-	-	75-125	-	20
Silver, Total	ND	27.8	27	97		-	-	75-125	-	20
Sodium, Total	95.J	928	950	102		-	-	75-125	-	20
Thallium, Total	ND	11.1	8.2	**74**	Q	-	-	75-125	-	20
Vanadium, Total	14.	46.4	57	93		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG790058-4 QC Sample: L1511982-01 Client ID: MS Sample									
Zinc, Total	50.	46.4	94	95	-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 05-08 QC Batch ID: WG790477-4 QC Sample: L1512159-02 Client ID: MS Sample									
Copper, Total	14.	23.7	38	101	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG789815-3 QC Sample: L1512027-01 Client ID: DUP Sample						
Mercury, Total	0.62	0.78	mg/kg	**23**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG790058-3 QC Sample: L1511982-01 Client ID: DUP Sample						
Aluminum, Total	5900	6000	mg/kg	2		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.0	2.2	mg/kg	10		20
Barium, Total	38.	42	mg/kg	10		20
Beryllium, Total	0.31J	0.28J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	9400	6400	mg/kg	**38**	Q	20
Chromium, Total	12.	11	mg/kg	9		20
Cobalt, Total	4.4	4.3	mg/kg	2		20
Copper, Total	17.	16	mg/kg	6		20
Iron, Total	9600	9300	mg/kg	3		20
Lead, Total	55.	72	mg/kg	**27**	Q	20
Magnesium, Total	2600	2300	mg/kg	12		20
Manganese, Total	250	210	mg/kg	17		20
Nickel, Total	9.4	10	mg/kg	6		20
Potassium, Total	630	660	mg/kg	5		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	95.J	90J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG790058-3 QC Sample: L1511982-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	14.	13	mg/kg	7	20
Zinc, Total	50.	50	mg/kg	0	20
Total Metals - Westborough Lab Associated sample(s): 05-08 QC Batch ID: WG790477-3 QC Sample: L1512159-02 Client ID: DUP Sample					
Copper, Total	14.	15	mg/kg	7	20

INORGANICS
&
MISCELLANEOUS

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-01
Client ID: SB11_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/01/15 10:50
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	13		mg/kg	0.90	0.90	1	-	06/03/15 19:09	107,-	
Solids, Total	88.7		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	06/02/15 11:59	06/03/15 14:57	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.90	0.18	1	06/02/15 09:45	06/02/15 14:52	1,7196A	MD

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-02
Client ID: SB11_8-9
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Date Collected: 06/01/15 11:05
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.95	0.95	1	-	06/03/15 19:13	107,-	
Solids, Total	84.3		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.27	1	06/02/15 11:59	06/03/15 14:59	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.95	0.19	1	06/02/15 09:45	06/02/15 14:53	1,7196A	MD

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-03
Client ID: SB10_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/01/15 12:00
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	12		mg/kg	1.0	1.0	1	-	06/03/15 19:17	107,-	
Solids, Total	80.4		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.29	1	06/02/15 11:59	06/03/15 15:00	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.0	0.20	1	06/02/15 09:45	06/02/15 14:53	1,7196A	MD

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-04
Client ID: SB10_7-8
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Date Collected: 06/01/15 12:15
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	11		mg/kg	0.95	0.95	1	-	06/03/15 19:21	107,-	
Solids, Total	83.9		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT
Cyanide, Total	0.37	J	mg/kg	1.2	0.27	1	06/02/15 11:59	06/03/15 15:02	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.95	0.19	1	06/02/15 09:45	06/02/15 14:54	1,7196A	MD

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-05
Client ID: SB05C_7-8
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/01/15 15:40
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.4		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-06
Client ID: SB05N_5-6
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/01/15 15:30
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-07
Client ID: SB05E_5-6
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/01/15 16:05
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

SAMPLE RESULTS

Lab ID: L1512012-08
Client ID: SB05W_5-6
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/01/15 16:00
Date Received: 06/01/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	06/02/15 01:34	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512012
Report Date: 06/08/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG789885-1										
Cyanide, Total	ND		mg/kg	0.90	0.21	1	06/02/15 11:59	06/03/15 14:53	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 01-04 Batch: WG789919-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	06/02/15 09:45	06/02/15 14:51	1,7196A	MD

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512012

Report Date: 06/08/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG789885-2 WG789885-3								
Cyanide, Total	111		**126**	Q	80-120	13		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 Batch: WG789919-2								
Chromium, Hexavalent	92		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG789885-4 WG789885-5 QC Sample: L1512012-01 Client ID: SB11_1-2												
Cyanide, Total	ND	11	11	99		11	100		65-135	0		35
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG789919-5 WG789919-6 QC Sample: L1512012-04 Client ID: SB10_7-8												
Chromium, Hexavalent	ND	1710	1600	94		1300	100		75-125	**21**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG789823-1 QC Sample: L1512012-01 Client ID: SB11_1-2						
Solids, Total	88.7	87.5	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG789919-4 QC Sample: L1512012-04 Client ID: SB10_7-8						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/02/2015 00:31

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512012-01A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-01B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-01C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-01D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1512012-01E	Glass 500ml/16oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512012-02A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-02B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-02C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-02D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1512012-02E	Glass 500ml/16oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512012
Report Date: 06/08/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512012-03A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-03B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-03C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-03D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1512012-03E	Glass 500ml/16oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512012-04A	Vial MeOH preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-04B	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-04C	Vial water preserved	A	N/A	2.8	Y	Absent	NYTCL-8260HLW(14)
L1512012-04D	Plastic 2oz unpreserved for TS	A	N/A	2.8	Y	Absent	TS(7)
L1512012-04E	Glass 500ml/16oz unpreserved	A	N/A	2.8	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),ENCORE(),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512012-05A	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	TS(7),CU-TI(180)
L1512012-06A	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	TS(7),CU-TI(180)
L1512012-07A	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	TS(7),CU-TI(180)
L1512012-08A	Glass 250ml/8oz unpreserved	A	N/A	2.8	Y	Absent	TS(7),CU-TI(180)
L1512012-09A	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)
L1512012-09B	Vial HCl preserved	A	N/A	2.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512012
Project Number:	170361501	**Report Date:**	06/08/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
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.

Footnotes

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

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512012
Project Number:	170361501	**Report Date:**	06/08/15

Data Qualifiers

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:	440 WASHINGTON ST.	**Lab Number:**	L1512012
Project Number:	170361501	**Report Date:**	06/08/15

REFERENCES

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

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

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

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

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

Revised COC - MMM 6/8/15

Serial_No:06081518:57

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 6/1/15

ALPHA Job #: L1512012

Client Information
Client: LANGAN
Address: 21 Penn Plaza
8th Flr manhattan
Phone: ~~516~~ 2124795400
Fax: -
Email: dcarrus@langan.com

Project Information
Project Name: 440 Washington St
Project Location: "
Project #: 170361501
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information
☐ Same as Client Info
PO #

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Cu	TCL VOC, SVOC, Pest, PCB, TAL metals, Hexy, Pest, PCB, TAL metals	Cr III, Cr VI, Cu	VOC	Total Bottle	Sample Specific Comments
12012 - 01	SB11_1-2	1050	06/01	S	PM		x	x			
-02	~~SB11_9-10~~ SB11_8-9	11:05					x	x			
-03	SB10_1-2	12:06					x	x			
-04	~~SB10_7-8 9-10~~ SB10_7-8	12:15					x	x			
-05	SB05C_7-8	15:40				x					
-06	SB05N_5-6	~~15:30~~ 15:30				x					
-07	SB05E_5-6	16:05				x					
-08	SB05W_5-6	16:00				x					
-09	TB01_060615	-		-	-				x		

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	8oz	16oz Tamper	16oz Remover	Vials				
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
	6/1/15 1655		6/1/15 1655
	6/1/15 1830	Tom Tobin	6-1-15 1830
Tom Tobin	6-1-15 2215		6/1/15 22:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 6/1/15

ALPHA Job #: L1512012

Client Information

Client: LANGAN
Address: 21 Penn Plaza
8th Flr manhattan
Phone: ~~516~~ 2124795400
Fax: -
Email: dcarrus@langan.com

Project Information

Project Name: 440 Washington St
Project Location: "
Project #: 170361501
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	Total Cu	TCL VOC, SVOC, Pest, PCB, TAL metals, Hexavalent Cr	Cr III, Cr VI, Cu	VOC					Sample Specific Comments	Total Bottle
12012 - 01	SB11_1-2	10:50	06/01	S	PM		x	x							
-02	SB11_9-10	11:05					x	x							
-03	SB10_1-2	12:06					x	x							
-04	SB10_~~7-8~~ 9-10	12:15					x	x							
-05	SB05c_7-8	15:40				x									
-06	SB05N_5-6	14:30				x									
-07	SB05E_5-6	16:05				x									
-08	SB05W_5-6	16:00				x									
-09	TB01_060115	-		-	-				x						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	8oz	16oz Tamper	16oz Remove	Vials				
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
	6/1/15 1655		6/1/15 1655
	6/1/15 1830	Tom Tobin	6-1-15 1830
Tom Tobin	6-1-15 2215		6/1/15 22:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1512158
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brian Gochenaur
Phone:	(212) 479-5590
Project Name:	440 WASHINGTON ST.
Project Number:	170361501
Report Date:	06/12/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1512158-01	SB03C_6-7	SOIL	440 WASHINGTON ST.	06/02/15 07:50	06/02/15
L1512158-02	SB03E_4-5	SOIL	440 WASHINGTON ST.	06/02/15 07:55	06/02/15
L1512158-03	SB03N_3-4	SOIL	440 WASHINGTON ST.	06/02/15 08:20	06/02/15
L1512158-04	SB03N_4-5	SOIL	440 WASHINGTON ST.	06/02/15 08:10	06/02/15
L1512158-05	SB03W_4-5	SOIL	440 WASHINGTON ST.	06/02/15 08:30	06/02/15
L1512158-06	SB12_1-2	SOIL	440 WASHINGTON ST.	06/02/15 09:50	06/02/15
L1512158-07	SB12_9-10	SOIL	440 WASHINGTON ST.	06/02/15 10:00	06/02/15
L1512158-08	SB12_14-15	SOIL	440 WASHINGTON ST.	06/02/15 10:30	06/02/15
L1512158-09	SB13_1-2	SOIL	440 WASHINGTON ST.	06/02/15 10:50	06/02/15
L1512158-10	DUP01_060215	SOIL	440 WASHINGTON ST.	06/02/15 00:00	06/02/15
L1512158-11	SB13_14-15	SOIL	440 WASHINGTON ST.	06/02/15 11:00	06/02/15
L1512158-12	FB02_060215	WATER	440 WASHINGTON ST.	06/02/15 13:40	06/02/15
L1512158-13	TB01_060215	WATER	440 WASHINGTON ST.	06/02/15 00:00	06/02/15

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158
Project Number: 170361501 **Report Date:** 06/12/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158
Project Number: 170361501 **Report Date:** 06/12/15

Case Narrative (continued)

Report Submission

This final report replaces the partial report issued June 10, 2015, and includes the results of all requested analyses.

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

Sample Receipt

The project number was specified by the client.

Sample "SB03N_3-4" was taken off of hold at the client's request.

Semivolatile Organics

L1512158-09 has elevated detection limits due to the dilution required by matrix interferences encountered during the concentration of the sample.

PCBs

L1512158-12 has elevated detection limits due to limited sample volume available for analysis.

Total Metals

L1512158-03 and -11 have elevated detection limits for all elements, with the exception of antimony and mercury, due to the dilutions required by matrix interferences encountered during analysis.

The WG790285-1 Method Blank, associated with L1512158-01, -02, -04, -05, -06, -08, -09, and -10, has concentrations above the reporting limits for antimony and iron. Since the samples were non-detect for antimony, no further actions were taken. And since the associated sample concentrations are greater than 10x the blank concentration for iron, no corrective action is required. The results of the original analysis are reported.

The WG790285-4 MS recovery, performed on L1512158-01, is outside the acceptance criteria for lead (135%). A post digestion spike was performed and yielded an unacceptable recovery of 71%. This has been

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512158
Project Number:	170361501	**Report Date:**	06/12/15

Case Narrative (continued)

attributed to sample matrix.

The WG790285-3 Laboratory Duplicate RPD, performed on L1512158-01, is outside the acceptance criteria for lead (32%). The elevated RPD has been attributed to the non-homogeneous nature of the sample utilized for the laboratory duplicate.

Cyanide, Total

The WG790626-2 LCS recovery (121%), associated with L1512158-03, is above our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Lisa Westerlind

Title: Technical Director/Representative Date: 06/12/15

ORGANICS

VOLATILES

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03 D
Client ID: SB03N_3-4
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/15 20:08
Analyst: BN
Percent Solids: 74%

Date Collected: 06/02/15 08:20
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	4500	500	5
1,1-Dichloroethane	ND		ug/kg	670	38.	5
Chloroform	ND		ug/kg	670	170	5
Carbon tetrachloride	ND		ug/kg	450	94.	5
1,2-Dichloropropane	ND		ug/kg	1600	100	5
Dibromochloromethane	ND		ug/kg	450	69.	5
1,1,2-Trichloroethane	ND		ug/kg	670	140	5
Tetrachloroethene	ND		ug/kg	450	63.	5
Chlorobenzene	ND		ug/kg	450	160	5
Trichlorofluoromethane	ND		ug/kg	2200	170	5
1,2-Dichloroethane	ND		ug/kg	450	51.	5
1,1,1-Trichloroethane	ND		ug/kg	450	50.	5
Bromodichloromethane	ND		ug/kg	450	78.	5
trans-1,3-Dichloropropene	ND		ug/kg	450	54.	5
cis-1,3-Dichloropropene	ND		ug/kg	450	53.	5
1,3-Dichloropropene, Total	ND		ug/kg	450	53.	5
1,1-Dichloropropene	ND		ug/kg	2200	64.	5
Bromoform	ND		ug/kg	1800	100	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	450	45.	5
Benzene	330	J	ug/kg	450	53.	5
Toluene	1600		ug/kg	670	87.	5
Ethylbenzene	6900		ug/kg	450	57.	5
Chloromethane	ND		ug/kg	2200	130	5
Bromomethane	ND		ug/kg	900	150	5
Vinyl chloride	ND		ug/kg	900	53.	5
Chloroethane	ND		ug/kg	900	140	5
1,1-Dichloroethene	ND		ug/kg	450	120	5
trans-1,2-Dichloroethene	ND		ug/kg	670	95.	5
Trichloroethene	ND		ug/kg	450	56.	5
1,2-Dichlorobenzene	ND		ug/kg	2200	69.	5

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03 D Date Collected: 06/02/15 08:20

Client ID: SB03N_3-4 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2200	61.	5
1,4-Dichlorobenzene	ND		ug/kg	2200	62.	5
Methyl tert butyl ether	ND		ug/kg	900	38.	5
p/m-Xylene	18000		ug/kg	900	89.	5
o-Xylene	18000		ug/kg	900	77.	5
Xylenes, Total	36000		ug/kg	900	77.	5
cis-1,2-Dichloroethene	ND		ug/kg	450	64.	5
1,2-Dichloroethene, Total	ND		ug/kg	450	64.	5
Dibromomethane	ND		ug/kg	4500	73.	5
Styrene	ND		ug/kg	900	180	5
Dichlorodifluoromethane	ND		ug/kg	4500	86.	5
Acetone	ND		ug/kg	4500	460	5
Carbon disulfide	ND		ug/kg	4500	490	5
2-Butanone	ND		ug/kg	4500	120	5
Vinyl acetate	ND		ug/kg	4500	59.	5
4-Methyl-2-pentanone	ND		ug/kg	4500	110	5
1,2,3-Trichloropropane	ND		ug/kg	4500	73.	5
2-Hexanone	ND		ug/kg	4500	300	5
Bromochloromethane	ND		ug/kg	2200	120	5
2,2-Dichloropropane	ND		ug/kg	2200	100	5
1,2-Dibromoethane	ND		ug/kg	1800	78.	5
1,3-Dichloropropane	ND		ug/kg	2200	65.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	450	140	5
Bromobenzene	ND		ug/kg	2200	93.	5
n-Butylbenzene	6000		ug/kg	450	52.	5
sec-Butylbenzene	2600		ug/kg	450	55.	5
tert-Butylbenzene	ND		ug/kg	2200	61.	5
o-Chlorotoluene	ND		ug/kg	2200	72.	5
p-Chlorotoluene	ND		ug/kg	2200	60.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	2200	180	5
Hexachlorobutadiene	ND		ug/kg	2200	100	5
Isopropylbenzene	2400		ug/kg	450	47.	5
p-Isopropyltoluene	2900		ug/kg	450	56.	5
Naphthalene	10000		ug/kg	2200	62.	5
Acrylonitrile	ND		ug/kg	4500	230	5
n-Propylbenzene	9400		ug/kg	450	49.	5
1,2,3-Trichlorobenzene	ND		ug/kg	2200	66.	5
1,2,4-Trichlorobenzene	ND		ug/kg	2200	82.	5
1,3,5-Trimethylbenzene	30000		ug/kg	2200	64.	5

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03 D Date Collected: 06/02/15 08:20

Client ID: SB03N_3-4 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	86000		ug/kg	2200	64.	5
1,4-Dioxane	ND		ug/kg	45000	6500	5
p-Diethylbenzene	51000		ug/kg	1800	72.	5
p-Ethyltoluene	45000		ug/kg	1800	56.	5
1,2,4,5-Tetramethylbenzene	15000		ug/kg	1800	58.	5
Ethyl ether	ND		ug/kg	2200	120	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	2200	180	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	79		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	92		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06
Client ID: SB12_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/15 16:31
Analyst: BN
Percent Solids: 69%

Date Collected: 06/02/15 09:50
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	16	1.7	1
1,1-Dichloroethane	ND		ug/kg	2.4	0.14	1
Chloroform	ND		ug/kg	2.4	0.58	1
Carbon tetrachloride	ND		ug/kg	1.6	0.33	1
1,2-Dichloropropane	ND		ug/kg	5.5	0.36	1
Dibromochloromethane	ND		ug/kg	1.6	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	2.4	0.48	1
Tetrachloroethene	ND		ug/kg	1.6	0.22	1
Chlorobenzene	ND		ug/kg	1.6	0.55	1
Trichlorofluoromethane	ND		ug/kg	7.9	0.61	1
1,2-Dichloroethane	ND		ug/kg	1.6	0.18	1
1,1,1-Trichloroethane	ND		ug/kg	1.6	0.18	1
Bromodichloromethane	ND		ug/kg	1.6	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	1.6	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	1.6	0.19	1
1,1-Dichloropropene	ND		ug/kg	7.9	0.22	1
Bromoform	ND		ug/kg	6.3	0.37	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.6	0.16	1
Benzene	ND		ug/kg	1.6	0.19	1
Toluene	ND		ug/kg	2.4	0.31	1
Ethylbenzene	ND		ug/kg	1.6	0.20	1
Chloromethane	ND		ug/kg	7.9	0.46	1
Bromomethane	ND		ug/kg	3.2	0.53	1
Vinyl chloride	ND		ug/kg	3.2	0.18	1
Chloroethane	ND		ug/kg	3.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.6	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.4	0.34	1
Trichloroethene	ND		ug/kg	1.6	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	7.9	0.24	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06 Date Collected: 06/02/15 09:50

Client ID: SB12_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	7.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	7.9	0.22	1
Methyl tert butyl ether	ND		ug/kg	3.2	0.13	1
p/m-Xylene	ND		ug/kg	3.2	0.31	1
o-Xylene	ND		ug/kg	3.2	0.27	1
Xylenes, Total	ND		ug/kg	3.2	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	1.6	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.6	0.22	1
Dibromomethane	ND		ug/kg	16	0.26	1
Styrene	ND		ug/kg	3.2	0.64	1
Dichlorodifluoromethane	ND		ug/kg	16	0.30	1
Acetone	17		ug/kg	16	1.6	1
Carbon disulfide	ND		ug/kg	16	1.7	1
2-Butanone	ND		ug/kg	16	0.43	1
Vinyl acetate	ND		ug/kg	16	0.21	1
4-Methyl-2-pentanone	ND		ug/kg	16	0.39	1
1,2,3-Trichloropropane	ND		ug/kg	16	0.26	1
2-Hexanone	ND		ug/kg	16	1.0	1
Bromochloromethane	ND		ug/kg	7.9	0.44	1
2,2-Dichloropropane	ND		ug/kg	7.9	0.36	1
1,2-Dibromoethane	ND		ug/kg	6.3	0.28	1
1,3-Dichloropropane	ND		ug/kg	7.9	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.6	0.50	1
Bromobenzene	ND		ug/kg	7.9	0.33	1
n-Butylbenzene	ND		ug/kg	1.6	0.18	1
sec-Butylbenzene	ND		ug/kg	1.6	0.19	1
tert-Butylbenzene	ND		ug/kg	7.9	0.21	1
o-Chlorotoluene	ND		ug/kg	7.9	0.25	1
p-Chlorotoluene	ND		ug/kg	7.9	0.21	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	7.9	0.63	1
Hexachlorobutadiene	ND		ug/kg	7.9	0.36	1
Isopropylbenzene	ND		ug/kg	1.6	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.6	0.20	1
Naphthalene	ND		ug/kg	7.9	0.22	1
Acrylonitrile	ND		ug/kg	16	0.81	1
n-Propylbenzene	ND		ug/kg	1.6	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	7.9	0.23	1
1,2,4-Trichlorobenzene	ND		ug/kg	7.9	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	7.9	0.23	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06 Date Collected: 06/02/15 09:50

Client ID: SB12_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	7.9	0.22	1
1,4-Dioxane	ND		ug/kg	160	23.	1
p-Diethylbenzene	ND		ug/kg	6.3	0.25	1
p-Ethyltoluene	ND		ug/kg	6.3	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	6.3	0.20	1
Ethyl ether	1.9	J	ug/kg	7.9	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.9	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08
Client ID: SB12_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/15 16:58
Analyst: BN
Percent Solids: 81%

Date Collected: 06/02/15 10:30
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.1	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.22	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.31	1
Tetrachloroethene	ND		ug/kg	1.0	0.14	1
Chlorobenzene	ND		ug/kg	1.0	0.36	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.40	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11	1
Bromodichloromethane	ND		ug/kg	1.0	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12	1
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.14	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10	1
Benzene	ND		ug/kg	1.0	0.12	1
Toluene	ND		ug/kg	1.5	0.20	1
Ethylbenzene	ND		ug/kg	1.0	0.13	1
Chloromethane	ND		ug/kg	5.1	0.30	1
Bromomethane	ND		ug/kg	2.0	0.35	1
Vinyl chloride	ND		ug/kg	2.0	0.12	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.22	1
Trichloroethene	ND		ug/kg	1.0	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	5.1	0.16	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08 Date Collected: 06/02/15 10:30

Client ID: SB12_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	5.1	0.14	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.09	1
p/m-Xylene	ND		ug/kg	2.0	0.20	1
o-Xylene	ND		ug/kg	2.0	0.18	1
Xylenes, Total	ND		ug/kg	2.0	0.18	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.15	1
Dibromomethane	ND		ug/kg	10	0.17	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.20	1
Acetone	49		ug/kg	10	1.1	1
Carbon disulfide	ND		ug/kg	10	1.1	1
2-Butanone	5.0	J	ug/kg	10	0.28	1
Vinyl acetate	ND		ug/kg	10	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.17	1
2-Hexanone	ND		ug/kg	10	0.68	1
Bromochloromethane	ND		ug/kg	5.1	0.28	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.23	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.18	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.21	1
n-Butylbenzene	ND		ug/kg	1.0	0.12	1
sec-Butylbenzene	ND		ug/kg	1.0	0.12	1
tert-Butylbenzene	ND		ug/kg	5.1	0.14	1
o-Chlorotoluene	ND		ug/kg	5.1	0.16	1
p-Chlorotoluene	ND		ug/kg	5.1	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.23	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.13	1
Naphthalene	ND		ug/kg	5.1	0.14	1
Acrylonitrile	ND		ug/kg	10	0.53	1
n-Propylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.15	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.19	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.1	0.15	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08 Date Collected: 06/02/15 10:30

Client ID: SB12_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.1	0.14	1
1,4-Dioxane	ND		ug/kg	100	15.	1
p-Diethylbenzene	ND		ug/kg	4.1	0.16	1
p-Ethyltoluene	ND		ug/kg	4.1	0.13	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.1	0.13	1
Ethyl ether	ND		ug/kg	5.1	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09
Client ID: SB13_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/15 17:25
Analyst: BN
Percent Solids: 87%

Date Collected: 06/02/15 10:50
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	11	1.2	1
1,1-Dichloroethane	ND		ug/kg	1.6	0.09	1
Chloroform	ND		ug/kg	1.6	0.41	1
Carbon tetrachloride	ND		ug/kg	1.1	0.23	1
1,2-Dichloropropane	ND		ug/kg	3.9	0.25	1
Dibromochloromethane	ND		ug/kg	1.1	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.34	1
Tetrachloroethene	ND		ug/kg	1.1	0.15	1
Chlorobenzene	ND		ug/kg	1.1	0.38	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.12	1
1,1,1-Trichloroethane	ND		ug/kg	1.1	0.12	1
Bromodichloromethane	ND		ug/kg	1.1	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
cis-1,3-Dichloropropene	ND		ug/kg	1.1	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	1.1	0.13	1
1,1-Dichloropropene	ND		ug/kg	5.5	0.16	1
Bromoform	ND		ug/kg	4.4	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.1	0.11	1
Benzene	ND		ug/kg	1.1	0.13	1
Toluene	ND		ug/kg	1.6	0.22	1
Ethylbenzene	ND		ug/kg	1.1	0.14	1
Chloromethane	ND		ug/kg	5.5	0.32	1
Bromomethane	ND		ug/kg	2.2	0.37	1
Vinyl chloride	ND		ug/kg	2.2	0.13	1
Chloroethane	ND		ug/kg	2.2	0.35	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.23	1
Trichloroethene	ND		ug/kg	1.1	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	5.5	0.17	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09 Date Collected: 06/02/15 10:50

Client ID: SB13_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	5.5	0.15	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.09	1
p/m-Xylene	ND		ug/kg	2.2	0.22	1
o-Xylene	ND		ug/kg	2.2	0.19	1
Xylenes, Total	ND		ug/kg	2.2	0.19	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	11	0.18	1
Styrene	ND		ug/kg	2.2	0.44	1
Dichlorodifluoromethane	ND		ug/kg	11	0.21	1
Acetone	100		ug/kg	11	1.1	1
Carbon disulfide	ND		ug/kg	11	1.2	1
2-Butanone	ND		ug/kg	11	0.30	1
Vinyl acetate	ND		ug/kg	11	0.14	1
4-Methyl-2-pentanone	ND		ug/kg	11	0.27	1
1,2,3-Trichloropropane	ND		ug/kg	11	0.18	1
2-Hexanone	ND		ug/kg	11	0.74	1
Bromochloromethane	ND		ug/kg	5.5	0.30	1
2,2-Dichloropropane	ND		ug/kg	5.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	4.4	0.19	1
1,3-Dichloropropane	ND		ug/kg	5.5	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.1	0.35	1
Bromobenzene	ND		ug/kg	5.5	0.23	1
n-Butylbenzene	ND		ug/kg	1.1	0.13	1
sec-Butylbenzene	ND		ug/kg	1.1	0.13	1
tert-Butylbenzene	ND		ug/kg	5.5	0.15	1
o-Chlorotoluene	ND		ug/kg	5.5	0.18	1
p-Chlorotoluene	ND		ug/kg	5.5	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	0.44	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.25	1
Isopropylbenzene	ND		ug/kg	1.1	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.14	1
Naphthalene	ND		ug/kg	5.5	0.15	1
Acrylonitrile	ND		ug/kg	11	0.57	1
n-Propylbenzene	ND		ug/kg	1.1	0.12	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.5	0.16	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.5	0.20	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.5	0.16	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09 Date Collected: 06/02/15 10:50

Client ID: SB13_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	5.5	0.16	1
1,4-Dioxane	ND		ug/kg	110	16.	1
p-Diethylbenzene	ND		ug/kg	4.4	0.18	1
p-Ethyltoluene	ND		ug/kg	4.4	0.14	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.4	0.14	1
Ethyl ether	2.5	J	ug/kg	5.5	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	0.43	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10
Client ID: DUP01_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/15 17:52
Analyst: BN
Percent Solids: 89%

Date Collected: 06/02/15 00:00
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	4.8	J	ug/kg	13	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.11	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.27	1
1,2-Dichloropropane	ND		ug/kg	4.5	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.18	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.4	0.50	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.14	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.14	1
Bromodichloromethane	ND		ug/kg	1.3	0.22	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	1.3	0.15	1
1,1-Dichloropropene	ND		ug/kg	6.4	0.18	1
Bromoform	ND		ug/kg	5.1	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.13	1
Benzene	ND		ug/kg	1.3	0.15	1
Toluene	ND		ug/kg	1.9	0.25	1
Ethylbenzene	ND		ug/kg	1.3	0.16	1
Chloromethane	ND		ug/kg	6.4	0.38	1
Bromomethane	ND		ug/kg	2.6	0.43	1
Vinyl chloride	ND		ug/kg	2.6	0.15	1
Chloroethane	ND		ug/kg	2.6	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.27	1
Trichloroethene	ND		ug/kg	1.3	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	6.4	0.20	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10 Date Collected: 06/02/15 00:00

Client ID: DUP01_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	6.4	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.11	1
p/m-Xylene	ND		ug/kg	2.6	0.25	1
o-Xylene	ND		ug/kg	2.6	0.22	1
Xylenes, Total	ND		ug/kg	2.6	0.22	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	13	0.21	1
Styrene	ND		ug/kg	2.6	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.24	1
Acetone	47		ug/kg	13	1.3	1
Carbon disulfide	ND		ug/kg	13	1.4	1
2-Butanone	ND		ug/kg	13	0.35	1
Vinyl acetate	ND		ug/kg	13	0.17	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.21	1
2-Hexanone	ND		ug/kg	13	0.85	1
Bromochloromethane	ND		ug/kg	6.4	0.35	1
2,2-Dichloropropane	ND		ug/kg	6.4	0.29	1
1,2-Dibromoethane	ND		ug/kg	5.1	0.22	1
1,3-Dichloropropane	ND		ug/kg	6.4	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.41	1
Bromobenzene	ND		ug/kg	6.4	0.26	1
n-Butylbenzene	ND		ug/kg	1.3	0.15	1
sec-Butylbenzene	ND		ug/kg	1.3	0.16	1
tert-Butylbenzene	ND		ug/kg	6.4	0.17	1
o-Chlorotoluene	ND		ug/kg	6.4	0.20	1
p-Chlorotoluene	ND		ug/kg	6.4	0.17	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.4	0.51	1
Hexachlorobutadiene	ND		ug/kg	6.4	0.29	1
Isopropylbenzene	ND		ug/kg	1.3	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.16	1
Naphthalene	ND		ug/kg	6.4	0.18	1
Acrylonitrile	ND		ug/kg	13	0.66	1
n-Propylbenzene	ND		ug/kg	1.3	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.4	0.19	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.4	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.4	0.18	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10 Date Collected: 06/02/15 00:00

Client ID: DUP01_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.4	0.18	1
1,4-Dioxane	ND		ug/kg	130	18.	1
p-Diethylbenzene	ND		ug/kg	5.1	0.20	1
p-Ethyltoluene	ND		ug/kg	5.1	0.16	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.1	0.17	1
Ethyl ether	2.6	J	ug/kg	6.4	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	0.50	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	103		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11
Client ID: SB13_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/06/15 18:19
Analyst: BN
Percent Solids: 67%

Date Collected: 06/02/15 11:00
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
Methylene chloride	ND		ug/kg	14	1.5	1
1,1-Dichloroethane	ND		ug/kg	2.0	0.12	1
Chloroform	ND		ug/kg	2.0	0.50	1
Carbon tetrachloride	ND		ug/kg	1.4	0.28	1
1,2-Dichloropropane	ND		ug/kg	4.7	0.31	1
Dibromochloromethane	ND		ug/kg	1.4	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	2.0	0.41	1
Tetrachloroethene	ND		ug/kg	1.4	0.19	1
Chlorobenzene	ND		ug/kg	1.4	0.47	1
Trichlorofluoromethane	ND		ug/kg	6.8	0.52	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.15	1
1,1,1-Trichloroethane	ND		ug/kg	1.4	0.15	1
Bromodichloromethane	ND		ug/kg	1.4	0.23	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
cis-1,3-Dichloropropene	ND		ug/kg	1.4	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	1.4	0.16	1
1,1-Dichloropropene	ND		ug/kg	6.8	0.19	1
Bromoform	ND		ug/kg	5.4	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.4	0.14	1
Benzene	ND		ug/kg	1.4	0.16	1
Toluene	ND		ug/kg	2.0	0.26	1
Ethylbenzene	ND		ug/kg	1.4	0.17	1
Chloromethane	ND		ug/kg	6.8	0.40	1
Bromomethane	ND		ug/kg	2.7	0.46	1
Vinyl chloride	ND		ug/kg	2.7	0.16	1
Chloroethane	ND		ug/kg	2.7	0.43	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.29	1
Trichloroethene	ND		ug/kg	1.4	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	6.8	0.21	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11 Date Collected: 06/02/15 11:00

Client ID: SB13_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	6.8	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	6.8	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.11	1
p/m-Xylene	ND		ug/kg	2.7	0.27	1
o-Xylene	ND		ug/kg	2.7	0.23	1
Xylenes, Total	ND		ug/kg	2.7	0.23	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.4	0.19	1
Dibromomethane	ND		ug/kg	14	0.22	1
Styrene	ND		ug/kg	2.7	0.54	1
Dichlorodifluoromethane	ND		ug/kg	14	0.26	1
Acetone	54		ug/kg	14	1.4	1
Carbon disulfide	ND		ug/kg	14	1.5	1
2-Butanone	10	J	ug/kg	14	0.37	1
Vinyl acetate	ND		ug/kg	14	0.18	1
4-Methyl-2-pentanone	ND		ug/kg	14	0.33	1
1,2,3-Trichloropropane	ND		ug/kg	14	0.22	1
2-Hexanone	ND		ug/kg	14	0.90	1
Bromochloromethane	ND		ug/kg	6.8	0.37	1
2,2-Dichloropropane	ND		ug/kg	6.8	0.30	1
1,2-Dibromoethane	ND		ug/kg	5.4	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.8	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.4	0.43	1
Bromobenzene	ND		ug/kg	6.8	0.28	1
n-Butylbenzene	ND		ug/kg	1.4	0.16	1
sec-Butylbenzene	ND		ug/kg	1.4	0.16	1
tert-Butylbenzene	ND		ug/kg	6.8	0.18	1
o-Chlorotoluene	ND		ug/kg	6.8	0.22	1
p-Chlorotoluene	ND		ug/kg	6.8	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.8	0.53	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.31	1
Isopropylbenzene	ND		ug/kg	1.4	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.17	1
Naphthalene	ND		ug/kg	6.8	0.19	1
Acrylonitrile	ND		ug/kg	14	0.69	1
n-Propylbenzene	ND		ug/kg	1.4	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.8	0.20	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.8	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.8	0.19	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11 Date Collected: 06/02/15 11:00

Client ID: SB13_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by 8260/5035 - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/kg	6.8	0.19	1
1,4-Dioxane	ND		ug/kg	140	19.	1
p-Diethylbenzene	ND		ug/kg	5.4	0.22	1
p-Ethyltoluene	ND		ug/kg	5.4	0.17	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.4	0.18	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	86		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	104		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12
Client ID: FB02_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/03/15 14:09
Analyst: PD

Date Collected: 06/02/15 13:40
Date Received: 06/02/15
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12 Date Collected: 06/02/15 13:40

Client ID: FB02_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12 Date Collected: 06/02/15 13:40

Client ID: FB02_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	108		70-130
Toluene-d8	121		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-13
Client ID: TB01_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/03/15 14:37
Analyst: PD

Date Collected: 06/02/15 00:00
Date Received: 06/02/15
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-13 Date Collected: 06/02/15 00:00

Client ID: TB01_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-13 Date Collected: 06/02/15 00:00

Client ID: TB01_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	108		70-130
Toluene-d8	121		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13 Batch: WG790538-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-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	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13 Batch: WG790538-3					
Trichloroethene	ND		ug/l	0.50	0.18
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
Xylene (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
Isopropyl Ether	ND		ug/l	2.0	0.65
tert-Butyl Alcohol	ND		ug/l	10	0.90
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
Acrolein	ND		ug/l	5.0	0.63
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13 Batch: WG790538-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/l	2.5	0.70
1,4-Diethylbenzene	ND		ug/l	2.0	0.70
4-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/03/15 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13 Batch: WG790538-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	121		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06,08-11 Batch: WG791491-3					
Methylene chloride	ND		ug/kg	10	1.1
1,1-Dichloroethane	ND		ug/kg	1.5	0.09
Chloroform	ND		ug/kg	1.5	0.37
Carbon tetrachloride	ND		ug/kg	1.0	0.21
1,2-Dichloropropane	ND		ug/kg	3.5	0.23
Dibromochloromethane	ND		ug/kg	1.0	0.15
2-Chloroethylvinyl ether	ND		ug/kg	20	0.62
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30
Tetrachloroethene	ND		ug/kg	1.0	0.14
Chlorobenzene	ND		ug/kg	1.0	0.35
Trichlorofluoromethane	ND		ug/kg	5.0	0.39
1,2-Dichloroethane	ND		ug/kg	1.0	0.11
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.11
Bromodichloromethane	ND		ug/kg	1.0	0.17
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.12
1,3-Dichloropropene, Total	ND		ug/kg	1.0	0.12
1,1-Dichloropropene	ND		ug/kg	5.0	0.14
Bromoform	ND		ug/kg	4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.10
Benzene	ND		ug/kg	1.0	0.12
Toluene	ND		ug/kg	1.5	0.19
Ethylbenzene	ND		ug/kg	1.0	0.13
Chloromethane	ND		ug/kg	5.0	0.29
Bromomethane	ND		ug/kg	2.0	0.34
Vinyl chloride	ND		ug/kg	2.0	0.12
Chloroethane	ND		ug/kg	2.0	0.32
1,1-Dichloroethene	ND		ug/kg	1.0	0.26
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.21

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06,08-11 Batch: WG791491-3					
Trichloroethene	ND		ug/kg	1.0	0.12
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.15
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.14
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.14
Methyl tert butyl ether	ND		ug/kg	2.0	0.08
p/m-Xylene	ND		ug/kg	2.0	0.20
o-Xylene	ND		ug/kg	2.0	0.17
Xylene (Total)	ND		ug/kg	2.0	0.17
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.14
1,2-Dichloroethene (total)	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	10	0.16
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND		ug/kg	10	0.19
Acetone	ND		ug/kg	10	1.0
Carbon disulfide	ND		ug/kg	10	1.1
2-Butanone	ND		ug/kg	10	0.27
Vinyl acetate	ND		ug/kg	10	0.13
4-Methyl-2-pentanone	ND		ug/kg	10	0.24
1,2,3-Trichloropropane	ND		ug/kg	10	0.16
2-Hexanone	ND		ug/kg	10	0.67
Bromochloromethane	ND		ug/kg	5.0	0.28
2,2-Dichloropropane	ND		ug/kg	5.0	0.23
1,2-Dibromoethane	ND		ug/kg	4.0	0.17
1,3-Dichloropropane	ND		ug/kg	5.0	0.14
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.32
Bromobenzene	ND		ug/kg	5.0	0.21
n-Butylbenzene	ND		ug/kg	1.0	0.11
sec-Butylbenzene	ND		ug/kg	1.0	0.12
tert-Butylbenzene	ND		ug/kg	5.0	0.14

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06,08-11 Batch: WG791491-3					
o-Chlorotoluene	ND		ug/kg	5.0	0.16
p-Chlorotoluene	ND		ug/kg	5.0	0.13
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.23
Isopropylbenzene	ND		ug/kg	1.0	0.10
p-Isopropyltoluene	ND		ug/kg	1.0	0.12
Naphthalene	ND		ug/kg	5.0	0.14
Acrylonitrile	ND		ug/kg	10	0.51
Isopropyl Ether	ND		ug/kg	4.0	0.14
tert-Butyl Alcohol	ND		ug/kg	60	2.9
n-Propylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.15
1,2,4-Trichlorobenzene	ND		ug/kg	5.0	0.18
1,3,5-Trimethylbenzene	ND		ug/kg	5.0	0.14
1,2,4-Trimethylbenzene	ND		ug/kg	5.0	0.14
Methyl Acetate	ND		ug/kg	20	0.27
Ethyl Acetate	ND		ug/kg	20	0.92
Acrolein	ND		ug/kg	25	8.1
Cyclohexane	ND		ug/kg	20	0.15
1,4-Dioxane	ND		ug/kg	100	14.
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	20	0.27
1,4-Diethylbenzene	ND		ug/kg	4.0	0.16
4-Ethyltoluene	ND		ug/kg	4.0	0.12
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.0	0.13
Tetrahydrofuran	ND		ug/kg	20	1.0
Ethyl ether	ND		ug/kg	5.0	0.26
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	0.39
Methyl cyclohexane	ND		ug/kg	4.0	0.15
Ethyl-Tert-Butyl-Ether	ND		ug/kg	4.0	0.12

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 06,08-11 Batch: WG791491-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	4.0	0.10

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG791493-3					
Methylene chloride	ND		ug/kg	500	55.
1,1-Dichloroethane	ND		ug/kg	75	4.3
Chloroform	ND		ug/kg	75	18.
Carbon tetrachloride	ND		ug/kg	50	10.
1,2-Dichloropropane	ND		ug/kg	180	11.
Dibromochloromethane	ND		ug/kg	50	7.7
2-Chloroethylvinyl ether	ND		ug/kg	1000	31.
1,1,2-Trichloroethane	ND		ug/kg	75	15.
Tetrachloroethene	ND		ug/kg	50	7.0
Chlorobenzene	ND		ug/kg	50	17.
Trichlorofluoromethane	ND		ug/kg	250	19.
1,2-Dichloroethane	ND		ug/kg	50	5.7
1,1,1-Trichloroethane	ND		ug/kg	50	5.5
Bromodichloromethane	ND		ug/kg	50	8.7
trans-1,3-Dichloropropene	ND		ug/kg	50	6.0
cis-1,3-Dichloropropene	ND		ug/kg	50	5.9
1,3-Dichloropropene, Total	ND		ug/kg	50	5.9
1,1-Dichloropropene	ND		ug/kg	250	7.1
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	50	5.0
Benzene	ND		ug/kg	50	5.9
Toluene	ND		ug/kg	75	9.7
Ethylbenzene	ND		ug/kg	50	6.4
Chloromethane	ND		ug/kg	250	15.
Bromomethane	ND		ug/kg	100	17.
Vinyl chloride	ND		ug/kg	100	5.9
Chloroethane	ND		ug/kg	100	16.
1,1-Dichloroethene	ND		ug/kg	50	13.
trans-1,2-Dichloroethene	ND		ug/kg	75	11.

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG791493-3					
Trichloroethene	ND		ug/kg	50	6.2
1,2-Dichlorobenzene	ND		ug/kg	250	7.7
1,3-Dichlorobenzene	ND		ug/kg	250	6.8
1,4-Dichlorobenzene	ND		ug/kg	250	6.9
Methyl tert butyl ether	ND		ug/kg	100	4.2
p/m-Xylene	ND		ug/kg	100	9.9
o-Xylene	ND		ug/kg	100	8.6
Xylene (Total)	ND		ug/kg	100	8.6
cis-1,2-Dichloroethene	ND		ug/kg	50	7.1
1,2-Dichloroethene (total)	ND		ug/kg	50	7.1
Dibromomethane	ND		ug/kg	500	8.2
Styrene	ND		ug/kg	100	20.
Dichlorodifluoromethane	ND		ug/kg	500	9.5
Acetone	ND		ug/kg	500	52.
Carbon disulfide	ND		ug/kg	500	55.
2-Butanone	ND		ug/kg	500	14.
Vinyl acetate	ND		ug/kg	500	6.6
4-Methyl-2-pentanone	ND		ug/kg	500	12.
1,2,3-Trichloropropane	ND		ug/kg	500	8.1
2-Hexanone	ND		ug/kg	500	33.
Bromochloromethane	ND		ug/kg	250	14.
2,2-Dichloropropane	ND		ug/kg	250	11.
1,2-Dibromoethane	ND		ug/kg	200	8.7
1,3-Dichloropropane	ND		ug/kg	250	7.3
1,1,1,2-Tetrachloroethane	ND		ug/kg	50	16.
Bromobenzene	ND		ug/kg	250	10.
n-Butylbenzene	ND		ug/kg	50	5.7
sec-Butylbenzene	ND		ug/kg	50	6.1
tert-Butylbenzene	ND		ug/kg	250	6.8

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG791493-3					
o-Chlorotoluene	ND		ug/kg	250	8.0
p-Chlorotoluene	ND		ug/kg	250	6.6
1,2-Dibromo-3-chloropropane	ND		ug/kg	250	20.
Hexachlorobutadiene	ND		ug/kg	250	11.
Isopropylbenzene	ND		ug/kg	50	5.2
p-Isopropyltoluene	ND		ug/kg	50	6.2
Naphthalene	ND		ug/kg	250	6.9
Acrylonitrile	ND		ug/kg	500	26.
Isopropyl Ether	ND		ug/kg	200	7.0
tert-Butyl Alcohol	ND		ug/kg	3000	150
n-Propylbenzene	ND		ug/kg	50	5.5
1,2,3-Trichlorobenzene	ND		ug/kg	250	7.4
1,2,4-Trichlorobenzene	ND		ug/kg	250	9.1
1,3,5-Trimethylbenzene	ND		ug/kg	250	7.2
1,2,4-Trimethylbenzene	ND		ug/kg	250	7.1
Methyl Acetate	ND		ug/kg	1000	14.
Ethyl Acetate	ND		ug/kg	1000	46.
Acrolein	ND		ug/kg	1200	400
Cyclohexane	ND		ug/kg	1000	7.3
1,4-Dioxane	ND		ug/kg	5000	720
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/kg	1000	14.
1,4-Diethylbenzene	ND		ug/kg	200	8.0
4-Ethyltoluene	ND		ug/kg	200	6.2
1,2,4,5-Tetramethylbenzene	ND		ug/kg	200	6.5
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	7.7
Ethyl-Tert-Butyl-Ether	ND		ug/kg	200	5.8

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/06/15 11:05
Analyst: BN

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by 8260/5035 - Westborough Lab for sample(s): 03 Batch: WG791493-3					
Tertiary-Amyl Methyl Ether	ND		ug/kg	200	4.8

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	83		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG790538-1 WG790538-2								
Methylene chloride	85		80		70-130	6		20
1,1-Dichloroethane	109		102		70-130	7		20
Chloroform	110		104		70-130	6		20
2-Chloroethylvinyl ether	76		74		70-130	3		20
Carbon tetrachloride	102		94		63-132	8		20
1,2-Dichloropropane	98		92		70-130	6		20
Dibromochloromethane	100		95		63-130	5		20
1,1,2-Trichloroethane	103		100		70-130	3		20
Tetrachloroethene	111		105		70-130	6		20
Chlorobenzene	103		98		75-130	5		20
Trichlorofluoromethane	130		123		62-150	6		20
1,2-Dichloroethane	97		93		70-130	4		20
1,1,1-Trichloroethane	107		100		67-130	7		20
Bromodichloromethane	96		91		67-130	5		20
trans-1,3-Dichloropropene	108		104		70-130	4		20
cis-1,3-Dichloropropene	86		82		70-130	5		20
1,1-Dichloropropene	104		97		70-130	7		20
Bromoform	107		101		54-136	6		20
1,1,2,2-Tetrachloroethane	95		92		67-130	3		20
Benzene	101		94		70-130	7		20
Toluene	116		109		70-130	6		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG790538-1 WG790538-2								
Ethylbenzene	109		103		70-130	6		20
Chloromethane	**58**	Q	**61**	Q	64-130	5		20
Bromomethane	116		99		39-139	16		20
Vinyl chloride	90		84		55-140	7		20
Chloroethane	112		104		55-138	7		20
1,1-Dichloroethene	107		100		61-145	7		20
trans-1,2-Dichloroethene	105		98		70-130	7		20
Trichloroethene	101		94		70-130	7		20
1,2-Dichlorobenzene	91		87		70-130	4		20
1,3-Dichlorobenzene	100		93		70-130	7		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	86		84		63-130	2		20
p/m-Xylene	107		100		70-130	7		20
o-Xylene	99		93		70-130	6		20
cis-1,2-Dichloroethene	102		96		70-130	6		20
Dibromomethane	86		82		70-130	5		20
1,2,3-Trichloropropane	117		112		64-130	4		20
Acrylonitrile	81		79		70-130	3		20
Diisopropyl Ether	101		97		70-130	4		20
Tert-Butyl Alcohol	**68**	Q	73		70-130	7		20
Styrene	99		94		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG790538-1 WG790538-2								
Dichlorodifluoromethane	76		72		36-147	5		20
Acetone	76		76		58-148	0		20
Carbon disulfide	100		92		51-130	8		20
2-Butanone	87		88		63-138	1		20
Vinyl acetate	86		84		70-130	2		20
4-Methyl-2-pentanone	65		64		59-130	2		20
2-Hexanone	79		78		57-130	1		20
Acrolein	74		73		40-160	1		20
Bromochloromethane	99		93		70-130	6		20
2,2-Dichloropropane	106		99		63-133	7		20
1,2-Dibromoethane	94		92		70-130	2		20
1,3-Dichloropropane	104		100		70-130	4		20
1,1,1,2-Tetrachloroethane	113		107		64-130	5		20
Bromobenzene	97		92		70-130	5		20
n-Butylbenzene	88		86		53-136	2		20
sec-Butylbenzene	84		82		70-130	2		20
tert-Butylbenzene	85		82		70-130	4		20
o-Chlorotoluene	115		108		70-130	6		20
p-Chlorotoluene	106		100		70-130	6		20
1,2-Dibromo-3-chloropropane	92		89		41-144	3		20
Hexachlorobutadiene	82		79		63-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG790538-1 WG790538-2								
Isopropylbenzene	105		101		70-130	4		20
p-Isopropyltoluene	84		81		70-130	4		20
Naphthalene	88		88		70-130	0		20
n-Propylbenzene	103		99		69-130	4		20
1,2,3-Trichlorobenzene	99		100		70-130	1		20
1,2,4-Trichlorobenzene	99		95		70-130	4		20
1,3,5-Trimethylbenzene	105		100		64-130	5		20
1,2,4-Trimethylbenzene	98		93		70-130	5		20
Methyl Acetate	83		83		70-130	0		20
Ethyl Acetate	84		83		70-130	1		20
Cyclohexane	101		97		70-130	4		20
Ethyl-Tert-Butyl-Ether	91		89		70-130	2		20
Tertiary-Amyl Methyl Ether	82		80		66-130	2		20
1,4-Dioxane	79		87		56-162	10		20
Freon-113	111		104		70-130	7		20
p-Diethylbenzene	84		80		70-130	5		20
p-Ethyltoluene	102		96		70-130	6		20
1,2,4,5-Tetramethylbenzene	92		88		70-130	4		20
Ethyl ether	96		90		59-134	6		20
trans-1,4-Dichloro-2-butene	88		83		70-130	6		20
Iodomethane	**31**	Q	**45**	Q	70-130	**37**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG790538-1 WG790538-2								
Methyl cyclohexane	95		91		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	122		122		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	108		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06,08-11 Batch: WG791491-1 WG791491-2								
Methylene chloride	109		104		70-130	5		30
1,1-Dichloroethane	106		97		70-130	9		30
Chloroform	111		103		70-130	7		30
Carbon tetrachloride	112		96		70-130	15		30
1,2-Dichloropropane	109		101		70-130	8		30
Dibromochloromethane	92		89		70-130	3		30
2-Chloroethylvinyl ether	110		105		70-130	5		30
1,1,2-Trichloroethane	96		91		70-130	5		30
Tetrachloroethene	103		91		70-130	12		30
Chlorobenzene	105		96		70-130	9		30
Trichlorofluoromethane	124		104		70-139	18		30
1,2-Dichloroethane	100		95		70-130	5		30
1,1,1-Trichloroethane	112		99		70-130	12		30
Bromodichloromethane	109		101		70-130	8		30
trans-1,3-Dichloropropene	95		90		70-130	5		30
cis-1,3-Dichloropropene	114		108		70-130	5		30
1,1-Dichloropropene	118		102		70-130	15		30
Bromoform	89		85		70-130	5		30
1,1,2,2-Tetrachloroethane	83		80		70-130	4		30
Benzene	114		103		70-130	10		30
Toluene	99		90		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06,08-11 Batch: WG791491-1 WG791491-2								
Ethylbenzene	105		94		70-130	11		30
Chloromethane	84		75		52-130	11		30
Bromomethane	132		118		57-147	11		30
Vinyl chloride	105		89		67-130	16		30
Chloroethane	135		119		50-151	13		30
1,1-Dichloroethene	117		101		65-135	15		30
trans-1,2-Dichloroethene	118		105		70-130	12		30
Trichloroethene	119		107		70-130	11		30
1,2-Dichlorobenzene	94		88		70-130	7		30
1,3-Dichlorobenzene	98		92		70-130	6		30
1,4-Dichlorobenzene	96		89		70-130	8		30
Methyl tert butyl ether	104		99		66-130	5		30
p/m-Xylene	109		100		70-130	9		30
o-Xylene	111		102		70-130	8		30
cis-1,2-Dichloroethene	120		111		70-130	8		30
Dibromomethane	110		108		70-130	2		30
Styrene	112		105		70-130	6		30
Dichlorodifluoromethane	89		75		30-146	17		30
Acetone	64		62		54-140	3		30
Carbon disulfide	94		81		59-130	15		30
2-Butanone	79		77		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06,08-11 Batch: WG791491-1 WG791491-2								
Vinyl acetate	90		87		70-130	3		30
4-Methyl-2-pentanone	88		88		70-130	0		30
1,2,3-Trichloropropane	82		78		68-130	5		30
2-Hexanone	**63**	Q	**64**	Q	70-130	2		30
Bromochloromethane	117		112		70-130	4		30
2,2-Dichloropropane	110		95		70-130	15		30
1,2-Dibromoethane	95		92		70-130	3		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	96		91		70-130	5		30
Bromobenzene	94		88		70-130	7		30
n-Butylbenzene	103		92		70-130	11		30
sec-Butylbenzene	102		91		70-130	11		30
tert-Butylbenzene	97		87		70-130	11		30
o-Chlorotoluene	78		88		70-130	12		30
p-Chlorotoluene	96		89		70-130	8		30
1,2-Dibromo-3-chloropropane	81		78		68-130	4		30
Hexachlorobutadiene	97		86		67-130	12		30
Isopropylbenzene	98		88		70-130	11		30
p-Isopropyltoluene	101		90		70-130	12		30
Naphthalene	83		81		70-130	2		30
Acrylonitrile	88		83		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06,08-11 Batch: WG791491-1 WG791491-2								
Diisopropyl Ether	94		89		66-130	5		30
Tert-Butyl Alcohol	78		77		70-130	1		30
n-Propylbenzene	98		88		70-130	11		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	99		93		70-130	6		30
1,3,5-Trimethylbenzene	99		90		70-130	10		30
1,2,4-Trimethylbenzene	99		92		70-130	7		30
Methyl Acetate	76		75		51-146	1		30
Ethyl Acetate	79		78		70-130	1		30
Acrolein	85		84		70-130	1		30
Cyclohexane	100		84		59-142	17		30
1,4-Dioxane	100		99		65-136	1		30
Freon-113	113		95		50-139	17		30
p-Diethylbenzene	100		90		70-130	11		30
p-Ethyltoluene	100		89		70-130	12		30
1,2,4,5-Tetramethylbenzene	94		88		70-130	7		30
Tetrahydrofuran	80		74		66-130	8		30
Ethyl ether	110		106		67-130	4		30
trans-1,4-Dichloro-2-butene	72		70		70-130	3		30
Methyl cyclohexane	114		97		70-130	16		30
Ethyl-Tert-Butyl-Ether	102		97		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 06,08-11 Batch: WG791491-1 WG791491-2								
Tertiary-Amyl Methyl Ether	109		104		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		82		70-130
Toluene-d8	90		91		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG791493-1 WG791493-2								
Methylene chloride	109		104		70-130	5		30
1,1-Dichloroethane	106		97		70-130	9		30
Chloroform	111		103		70-130	7		30
Carbon tetrachloride	112		96		70-130	15		30
1,2-Dichloropropane	109		101		70-130	8		30
Dibromochloromethane	92		89		70-130	3		30
2-Chloroethylvinyl ether	110		105		70-130	5		30
1,1,2-Trichloroethane	96		91		70-130	5		30
Tetrachloroethene	103		91		70-130	12		30
Chlorobenzene	105		96		70-130	9		30
Trichlorofluoromethane	124		104		70-139	18		30
1,2-Dichloroethane	100		95		70-130	5		30
1,1,1-Trichloroethane	112		99		70-130	12		30
Bromodichloromethane	109		101		70-130	8		30
trans-1,3-Dichloropropene	95		90		70-130	5		30
cis-1,3-Dichloropropene	114		108		70-130	5		30
1,1-Dichloropropene	118		102		70-130	15		30
Bromoform	89		85		70-130	5		30
1,1,2,2-Tetrachloroethane	83		80		70-130	4		30
Benzene	114		103		70-130	10		30
Toluene	99		90		70-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG791493-1 WG791493-2								
Ethylbenzene	105		94		70-130	11		30
Chloromethane	84		75		52-130	11		30
Bromomethane	132		118		57-147	11		30
Vinyl chloride	105		89		67-130	16		30
Chloroethane	135		119		50-151	13		30
1,1-Dichloroethene	117		101		65-135	15		30
trans-1,2-Dichloroethene	118		105		70-130	12		30
Trichloroethene	119		107		70-130	11		30
1,2-Dichlorobenzene	94		88		70-130	7		30
1,3-Dichlorobenzene	98		92		70-130	6		30
1,4-Dichlorobenzene	96		89		70-130	8		30
Methyl tert butyl ether	104		99		66-130	5		30
p/m-Xylene	109		100		70-130	9		30
o-Xylene	111		102		70-130	8		30
cis-1,2-Dichloroethene	120		111		70-130	8		30
Dibromomethane	110		108		70-130	2		30
Styrene	112		105		70-130	6		30
Dichlorodifluoromethane	89		75		30-146	17		30
Acetone	64		62		54-140	3		30
Carbon disulfide	94		81		59-130	15		30
2-Butanone	79		77		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG791493-1 WG791493-2								
Vinyl acetate	90		87		70-130	3		30
4-Methyl-2-pentanone	88		88		70-130	0		30
1,2,3-Trichloropropane	82		78		68-130	5		30
2-Hexanone	**63**	Q	**64**	Q	70-130	2		30
Bromochloromethane	117		112		70-130	4		30
2,2-Dichloropropane	110		95		70-130	15		30
1,2-Dibromoethane	95		92		70-130	3		30
1,3-Dichloropropane	91		88		69-130	3		30
1,1,1,2-Tetrachloroethane	96		91		70-130	5		30
Bromobenzene	94		88		70-130	7		30
n-Butylbenzene	103		92		70-130	11		30
sec-Butylbenzene	102		91		70-130	11		30
tert-Butylbenzene	97		87		70-130	11		30
o-Chlorotoluene	78		88		70-130	12		30
p-Chlorotoluene	96		89		70-130	8		30
1,2-Dibromo-3-chloropropane	81		78		68-130	4		30
Hexachlorobutadiene	97		86		67-130	12		30
Isopropylbenzene	98		88		70-130	11		30
p-Isopropyltoluene	101		90		70-130	12		30
Naphthalene	83		81		70-130	2		30
Acrylonitrile	88		83		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG791493-1 WG791493-2								
Diisopropyl Ether	94		89		66-130	5		30
Tert-Butyl Alcohol	78		77		70-130	1		30
n-Propylbenzene	98		88		70-130	11		30
1,2,3-Trichlorobenzene	93		91		70-130	2		30
1,2,4-Trichlorobenzene	99		93		70-130	6		30
1,3,5-Trimethylbenzene	99		90		70-130	10		30
1,2,4-Trimethylbenzene	99		92		70-130	7		30
Methyl Acetate	76		75		51-146	1		30
Ethyl Acetate	79		78		70-130	1		30
Acrolein	85		84		70-130	1		30
Cyclohexane	100		84		59-142	17		30
1,4-Dioxane	100		99		65-136	1		30
Freon-113	113		95		50-139	17		30
p-Diethylbenzene	100		90		70-130	11		30
p-Ethyltoluene	100		89		70-130	12		30
1,2,4,5-Tetramethylbenzene	94		88		70-130	7		30
Tetrahydrofuran	80		74		66-130	8		30
Ethyl ether	110		106		67-130	4		30
trans-1,4-Dichloro-2-butene	72		70		70-130	3		30
Methyl cyclohexane	114		97		70-130	16		30
Ethyl-Tert-Butyl-Ether	102		97		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 03 Batch: WG791493-1 WG791493-2								
Tertiary-Amyl Methyl Ether	109		104		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		82		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	99		99		70-130

SEMIVOLATILES

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03
Client ID: SB03N_3-4
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/06/15 16:21
Analyst: RC
Percent Solids: 74%

Date Collected: 06/02/15 08:20
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	46	J	ug/kg	180	46.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	73.	1
Hexachlorobenzene	ND		ug/kg	130	42.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	63.	1
2-Chloronaphthalene	ND		ug/kg	220	73.	1
1,2-Dichlorobenzene	ND		ug/kg	220	74.	1
1,3-Dichlorobenzene	ND		ug/kg	220	71.	1
1,4-Dichlorobenzene	ND		ug/kg	220	68.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	60.	1
2,4-Dinitrotoluene	ND		ug/kg	220	48.	1
2,6-Dinitrotoluene	ND		ug/kg	220	57.	1
Fluoranthene	420		ug/kg	130	41.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	68.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	52.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	79.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	68.	1
Hexachlorobutadiene	ND		ug/kg	220	63.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	140	1
Hexachloroethane	ND		ug/kg	180	41.	1
Isophorone	ND		ug/kg	200	60.	1
Naphthalene	1600		ug/kg	220	74.	1
Nitrobenzene	ND		ug/kg	200	53.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	180	47.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	67.	1
Bis(2-Ethylhexyl)phthalate	5500		ug/kg	220	59.	1
Butyl benzyl phthalate	ND		ug/kg	220	44.	1
Di-n-butylphthalate	ND		ug/kg	220	43.	1
Di-n-octylphthalate	ND		ug/kg	220	55.	1
Diethyl phthalate	ND		ug/kg	220	47.	1
Dimethyl phthalate	ND		ug/kg	220	57.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03 Date Collected: 06/02/15 08:20

Client ID: SB03N_3-4 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	280		ug/kg	130	44.	1
Benzo(a)pyrene	260		ug/kg	180	55.	1
Benzo(b)fluoranthene	370		ug/kg	130	45.	1
Benzo(k)fluoranthene	140		ug/kg	130	43.	1
Chrysene	350		ug/kg	130	44.	1
Acenaphthylene	72	J	ug/kg	180	42.	1
Anthracene	76	J	ug/kg	130	37.	1
Benzo(ghi)perylene	220		ug/kg	180	47.	1
Fluorene	77	J	ug/kg	220	64.	1
Phenanthrene	290		ug/kg	130	44.	1
Dibenzo(a,h)anthracene	51	J	ug/kg	130	43.	1
Indeno(1,2,3-cd)Pyrene	200		ug/kg	180	50.	1
Pyrene	500		ug/kg	130	44.	1
Biphenyl	91	J	ug/kg	510	74.	1
4-Chloroaniline	ND		ug/kg	220	59.	1
2-Nitroaniline	ND		ug/kg	220	63.	1
3-Nitroaniline	ND		ug/kg	220	62.	1
4-Nitroaniline	ND		ug/kg	220	60.	1
Dibenzofuran	ND		ug/kg	220	75.	1
2-Methylnaphthalene	2500		ug/kg	270	72.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	69.	1
Acetophenone	ND		ug/kg	220	69.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
P-Chloro-M-Cresol	ND		ug/kg	220	65.	1
2-Chlorophenol	ND		ug/kg	220	68.	1
2,4-Dichlorophenol	ND		ug/kg	200	73.	1
2,4-Dimethylphenol	ND		ug/kg	220	67.	1
2-Nitrophenol	ND		ug/kg	480	70.	1
4-Nitrophenol	ND		ug/kg	310	73.	1
2,4-Dinitrophenol	ND		ug/kg	1100	310	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	82.	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	66.	1
2-Methylphenol	ND		ug/kg	220	72.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	74.	1
2,4,5-Trichlorophenol	ND		ug/kg	220	73.	1
Benzoic Acid	ND		ug/kg	730	230	1
Benzyl Alcohol	ND		ug/kg	220	69.	1
Carbazole	ND		ug/kg	220	48.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03 Date Collected: 06/02/15 08:20

Client ID: SB03N_3-4 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	80		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06
Client ID: SB12_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/06/15 18:56
Analyst: AS
Percent Solids: 69%

Date Collected: 06/02/15 09:50
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	J	ug/kg	190	50.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	79.	1
Hexachlorobenzene	ND		ug/kg	140	45.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	68.	1
2-Chloronaphthalene	ND		ug/kg	240	79.	1
1,2-Dichlorobenzene	ND		ug/kg	240	80.	1
1,3-Dichlorobenzene	ND		ug/kg	240	76.	1
1,4-Dichlorobenzene	ND		ug/kg	240	74.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	52.	1
2,6-Dinitrotoluene	ND		ug/kg	240	62.	1
Fluoranthene	780		ug/kg	140	44.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	74.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	56.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	85.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	73.	1
Hexachlorobutadiene	ND		ug/kg	240	68.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	160	1
Hexachloroethane	ND		ug/kg	190	44.	1
Isophorone	ND		ug/kg	220	64.	1
Naphthalene	ND		ug/kg	240	80.	1
Nitrobenzene	ND		ug/kg	220	58.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	190	51.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	72.	1
Bis(2-Ethylhexyl)phthalate	430		ug/kg	240	64.	1
Butyl benzyl phthalate	ND		ug/kg	240	47.	1
Di-n-butylphthalate	ND		ug/kg	240	47.	1
Di-n-octylphthalate	ND		ug/kg	240	60.	1
Diethyl phthalate	ND		ug/kg	240	51.	1
Dimethyl phthalate	ND		ug/kg	240	62.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06 Date Collected: 06/02/15 09:50

Client ID: SB12_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	420		ug/kg	140	47.	1
Benzo(a)pyrene	340		ug/kg	190	59.	1
Benzo(b)fluoranthene	490		ug/kg	140	49.	1
Benzo(k)fluoranthene	180		ug/kg	140	46.	1
Chrysene	500		ug/kg	140	48.	1
Acenaphthylene	ND		ug/kg	190	45.	1
Anthracene	130	J	ug/kg	140	40.	1
Benzo(ghi)perylene	230		ug/kg	190	50.	1
Fluorene	ND		ug/kg	240	69.	1
Phenanthrene	810		ug/kg	140	47.	1
Dibenzo(a,h)anthracene	52	J	ug/kg	140	47.	1
Indeno(1,2,3-cd)Pyrene	240		ug/kg	190	54.	1
Pyrene	760		ug/kg	140	47.	1
Biphenyl	ND		ug/kg	550	80.	1
4-Chloroaniline	ND		ug/kg	240	64.	1
2-Nitroaniline	ND		ug/kg	240	68.	1
3-Nitroaniline	ND		ug/kg	240	67.	1
4-Nitroaniline	ND		ug/kg	240	65.	1
Dibenzofuran	ND		ug/kg	240	81.	1
2-Methylnaphthalene	87	J	ug/kg	290	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	75.	1
Acetophenone	ND		ug/kg	240	75.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	46.	1
P-Chloro-M-Cresol	ND		ug/kg	240	70.	1
2-Chlorophenol	ND		ug/kg	240	73.	1
2,4-Dichlorophenol	ND		ug/kg	220	78.	1
2,4-Dimethylphenol	ND		ug/kg	240	72.	1
2-Nitrophenol	ND		ug/kg	520	76.	1
4-Nitrophenol	ND		ug/kg	340	78.	1
2,4-Dinitrophenol	ND		ug/kg	1200	330	1
4,6-Dinitro-o-cresol	ND		ug/kg	630	89.	1
Pentachlorophenol	ND		ug/kg	190	52.	1
Phenol	ND		ug/kg	240	72.	1
2-Methylphenol	ND		ug/kg	240	78.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	350	80.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	78.	1
Benzoic Acid	ND		ug/kg	780	240	1
Benzyl Alcohol	ND		ug/kg	240	75.	1
Carbazole	71	J	ug/kg	240	52.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06 Date Collected: 06/02/15 09:50

Client ID: SB12_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	64		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08
Client ID: SB12_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/06/15 19:22
Analyst: AS
Percent Solids: 81%

Date Collected: 06/02/15 10:30
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	42.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	67.	1
Hexachlorobenzene	ND		ug/kg	120	38.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	57.	1
2-Chloronaphthalene	ND		ug/kg	200	66.	1
1,2-Dichlorobenzene	ND		ug/kg	200	67.	1
1,3-Dichlorobenzene	ND		ug/kg	200	64.	1
1,4-Dichlorobenzene	ND		ug/kg	200	62.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	44.	1
2,6-Dinitrotoluene	ND		ug/kg	200	52.	1
Fluoranthene	ND		ug/kg	120	37.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	62.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	47.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	72.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	62.	1
Hexachlorobutadiene	ND		ug/kg	200	57.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	130	1
Hexachloroethane	ND		ug/kg	160	37.	1
Isophorone	ND		ug/kg	180	54.	1
Naphthalene	ND		ug/kg	200	68.	1
Nitrobenzene	ND		ug/kg	180	48.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	160	43.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	61.	1
Bis(2-Ethylhexyl)phthalate	190	J	ug/kg	200	53.	1
Butyl benzyl phthalate	ND		ug/kg	200	40.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	50.	1
Diethyl phthalate	ND		ug/kg	200	43.	1
Dimethyl phthalate	ND		ug/kg	200	52.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08 Date Collected: 06/02/15 10:30

Client ID: SB12_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	120	40.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	41.	1
Benzo(k)fluoranthene	ND		ug/kg	120	39.	1
Chrysene	ND		ug/kg	120	40.	1
Acenaphthylene	ND		ug/kg	160	38.	1
Anthracene	ND		ug/kg	120	34.	1
Benzo(ghi)perylene	ND		ug/kg	160	42.	1
Fluorene	ND		ug/kg	200	58.	1
Phenanthrene	ND		ug/kg	120	40.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	39.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	160	45.	1
Pyrene	ND		ug/kg	120	40.	1
Biphenyl	ND		ug/kg	460	67.	1
4-Chloroaniline	ND		ug/kg	200	54.	1
2-Nitroaniline	ND		ug/kg	200	57.	1
3-Nitroaniline	ND		ug/kg	200	56.	1
4-Nitroaniline	ND		ug/kg	200	55.	1
Dibenzofuran	ND		ug/kg	200	68.	1
2-Methylnaphthalene	ND		ug/kg	240	65.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	63.	1
Acetophenone	ND		ug/kg	200	63.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
P-Chloro-M-Cresol	ND		ug/kg	200	59.	1
2-Chlorophenol	ND		ug/kg	200	62.	1
2,4-Dichlorophenol	ND		ug/kg	180	66.	1
2,4-Dimethylphenol	ND		ug/kg	200	61.	1
2-Nitrophenol	ND		ug/kg	440	64.	1
4-Nitrophenol	ND		ug/kg	280	66.	1
2,4-Dinitrophenol	ND		ug/kg	980	280	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	74.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	60.	1
2-Methylphenol	ND		ug/kg	200	66.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	67.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	66.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	44.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08 Date Collected: 06/02/15 10:30

Client ID: SB12_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	55		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09
Client ID: SB13_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/06/15 19:47
Analyst: AS
Percent Solids: 87%

Date Collected: 06/02/15 10:50
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	260	J	ug/kg	300	78.	2
1,2,4-Trichlorobenzene	ND		ug/kg	380	120	2
Hexachlorobenzene	ND		ug/kg	230	71.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	110	2
2-Chloronaphthalene	ND		ug/kg	380	120	2
1,2-Dichlorobenzene	ND		ug/kg	380	120	2
1,3-Dichlorobenzene	ND		ug/kg	380	120	2
1,4-Dichlorobenzene	ND		ug/kg	380	120	2
3,3'-Dichlorobenzidine	ND		ug/kg	380	100	2
2,4-Dinitrotoluene	ND		ug/kg	380	82.	2
2,6-Dinitrotoluene	ND		ug/kg	380	97.	2
Fluoranthene	4600		ug/kg	230	70.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	380	120	2
4-Bromophenyl phenyl ether	ND		ug/kg	380	87.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	460	130	2
Bis(2-chloroethoxy)methane	ND		ug/kg	410	110	2
Hexachlorobutadiene	ND		ug/kg	380	110	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	240	2
Hexachloroethane	ND		ug/kg	300	69.	2
Isophorone	ND		ug/kg	340	100	2
Naphthalene	200	J	ug/kg	380	120	2
Nitrobenzene	ND		ug/kg	340	90.	2
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	300	80.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	380	110	2
Bis(2-Ethylhexyl)phthalate	240	J	ug/kg	380	99.	2
Butyl benzyl phthalate	ND		ug/kg	380	74.	2
Di-n-butylphthalate	ND		ug/kg	380	73.	2
Di-n-octylphthalate	ND		ug/kg	380	93.	2
Diethyl phthalate	ND		ug/kg	380	80.	2
Dimethyl phthalate	ND		ug/kg	380	96.	2

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09 Date Collected: 06/02/15 10:50

Client ID: SB13_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	2000		ug/kg	230	74.	2
Benzo(a)pyrene	1900		ug/kg	300	93.	2
Benzo(b)fluoranthene	2400		ug/kg	230	77.	2
Benzo(k)fluoranthene	870		ug/kg	230	72.	2
Chrysene	2200		ug/kg	230	74.	2
Acenaphthylene	560		ug/kg	300	71.	2
Anthracene	920		ug/kg	230	63.	2
Benzo(ghi)perylene	1300		ug/kg	300	79.	2
Fluorene	260	J	ug/kg	380	110	2
Phenanthrene	3100		ug/kg	230	74.	2
Dibenzo(a,h)anthracene	270		ug/kg	230	73.	2
Indeno(1,2,3-cd)Pyrene	1300		ug/kg	300	84.	2
Pyrene	4600		ug/kg	230	74.	2
Biphenyl	ND		ug/kg	860	120	2
4-Chloroaniline	ND		ug/kg	380	100	2
2-Nitroaniline	ND		ug/kg	380	110	2
3-Nitroaniline	ND		ug/kg	380	100	2
4-Nitroaniline	ND		ug/kg	380	100	2
Dibenzofuran	220	J	ug/kg	380	130	2
2-Methylnaphthalene	160	J	ug/kg	460	120	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	380	120	2
Acetophenone	ND		ug/kg	380	120	2
2,4,6-Trichlorophenol	ND		ug/kg	230	72.	2
P-Chloro-M-Cresol	ND		ug/kg	380	110	2
2-Chlorophenol	ND		ug/kg	380	110	2
2,4-Dichlorophenol	ND		ug/kg	340	120	2
2,4-Dimethylphenol	ND		ug/kg	380	110	2
2-Nitrophenol	ND		ug/kg	820	120	2
4-Nitrophenol	ND		ug/kg	530	120	2
2,4-Dinitrophenol	ND		ug/kg	1800	520	2
4,6-Dinitro-o-cresol	ND		ug/kg	990	140	2
Pentachlorophenol	ND		ug/kg	300	81.	2
Phenol	ND		ug/kg	380	110	2
2-Methylphenol	ND		ug/kg	380	120	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	550	120	2
2,4,5-Trichlorophenol	ND		ug/kg	380	120	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	380	120	2
Carbazole	530		ug/kg	380	82.	2

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09 Date Collected: 06/02/15 10:50

Client ID: SB13_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	53		18-120

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10
Client ID: DUP01_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/15 15:36
Analyst: AS
Percent Solids: 89%

Date Collected: 06/02/15 00:00
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	150	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	60.	1
Hexachlorobenzene	ND		ug/kg	110	34.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	51.	1
2-Chloronaphthalene	ND		ug/kg	180	60.	1
1,2-Dichlorobenzene	ND		ug/kg	180	60.	1
1,3-Dichlorobenzene	ND		ug/kg	180	58.	1
1,4-Dichlorobenzene	ND		ug/kg	180	56.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	39.	1
2,6-Dinitrotoluene	ND		ug/kg	180	47.	1
Fluoranthene	1700		ug/kg	110	34.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	56.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	42.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	64.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	55.	1
Hexachlorobutadiene	ND		ug/kg	180	51.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	120	1
Hexachloroethane	ND		ug/kg	150	33.	1
Isophorone	ND		ug/kg	160	48.	1
Naphthalene	230		ug/kg	180	61.	1
Nitrobenzene	ND		ug/kg	160	43.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	150	38.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	54.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	180	48.	1
Butyl benzyl phthalate	ND		ug/kg	180	36.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	45.	1
Diethyl phthalate	ND		ug/kg	180	39.	1
Dimethyl phthalate	ND		ug/kg	180	46.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10 Date Collected: 06/02/15 00:00

Client ID: DUP01_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	660		ug/kg	110	36.	1
Benzo(a)pyrene	510		ug/kg	150	45.	1
Benzo(b)fluoranthene	660		ug/kg	110	37.	1
Benzo(k)fluoranthene	260		ug/kg	110	35.	1
Chrysene	780		ug/kg	110	36.	1
Acenaphthylene	ND		ug/kg	150	34.	1
Anthracene	320		ug/kg	110	30.	1
Benzo(ghi)perylene	330		ug/kg	150	38.	1
Fluorene	190		ug/kg	180	52.	1
Phenanthrene	2300		ug/kg	110	36.	1
Dibenzo(a,h)anthracene	94	J	ug/kg	110	35.	1
Indeno(1,2,3-cd)Pyrene	350		ug/kg	150	40.	1
Pyrene	1600		ug/kg	110	35.	1
Biphenyl	ND		ug/kg	420	60.	1
4-Chloroaniline	ND		ug/kg	180	48.	1
2-Nitroaniline	ND		ug/kg	180	51.	1
3-Nitroaniline	ND		ug/kg	180	50.	1
4-Nitroaniline	ND		ug/kg	180	49.	1
Dibenzofuran	140	J	ug/kg	180	61.	1
2-Methylnaphthalene	210	J	ug/kg	220	58.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	56.	1
Acetophenone	ND		ug/kg	180	57.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
P-Chloro-M-Cresol	ND		ug/kg	180	53.	1
2-Chlorophenol	ND		ug/kg	180	55.	1
2,4-Dichlorophenol	ND		ug/kg	160	59.	1
2,4-Dimethylphenol	ND		ug/kg	180	54.	1
2-Nitrophenol	ND		ug/kg	390	57.	1
4-Nitrophenol	ND		ug/kg	260	59.	1
2,4-Dinitrophenol	ND		ug/kg	880	250	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	67.	1
Pentachlorophenol	ND		ug/kg	150	39.	1
Phenol	ND		ug/kg	180	54.	1
2-Methylphenol	ND		ug/kg	180	59.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	60.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	59.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	180		ug/kg	180	39.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10 Date Collected: 06/02/15 00:00

Client ID: DUP01_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	65		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11
Client ID: SB13_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 06/07/15 16:02
Analyst: AS
Percent Solids: 67%

Date Collected: 06/02/15 11:00
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	49.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	79.	1
Hexachlorobenzene	ND		ug/kg	140	45.	1
Bis(2-chloroethyl)ether	ND		ug/kg	220	67.	1
2-Chloronaphthalene	ND		ug/kg	240	78.	1
1,2-Dichlorobenzene	ND		ug/kg	240	79.	1
1,3-Dichlorobenzene	ND		ug/kg	240	76.	1
1,4-Dichlorobenzene	ND		ug/kg	240	73.	1
3,3'-Dichlorobenzidine	ND		ug/kg	240	64.	1
2,4-Dinitrotoluene	ND		ug/kg	240	52.	1
2,6-Dinitrotoluene	ND		ug/kg	240	61.	1
Fluoranthene	ND		ug/kg	140	44.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	240	73.	1
4-Bromophenyl phenyl ether	ND		ug/kg	240	55.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	290	84.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	260	73.	1
Hexachlorobutadiene	ND		ug/kg	240	68.	1
Hexachlorocyclopentadiene	ND		ug/kg	690	150	1
Hexachloroethane	ND		ug/kg	190	44.	1
Isophorone	ND		ug/kg	220	64.	1
Naphthalene	ND		ug/kg	240	80.	1
Nitrobenzene	ND		ug/kg	220	57.	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	190	50.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	240	71.	1
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	240	63.	1
Butyl benzyl phthalate	ND		ug/kg	240	47.	1
Di-n-butylphthalate	ND		ug/kg	240	46.	1
Di-n-octylphthalate	ND		ug/kg	240	59.	1
Diethyl phthalate	ND		ug/kg	240	51.	1
Dimethyl phthalate	ND		ug/kg	240	61.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11 Date Collected: 06/02/15 11:00

Client ID: SB13_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(a)anthracene	ND		ug/kg	140	47.	1
Benzo(a)pyrene	ND		ug/kg	190	59.	1
Benzo(b)fluoranthene	ND		ug/kg	140	48.	1
Benzo(k)fluoranthene	ND		ug/kg	140	46.	1
Chrysene	ND		ug/kg	140	47.	1
Acenaphthylene	ND		ug/kg	190	45.	1
Anthracene	ND		ug/kg	140	40.	1
Benzo(ghi)perylene	ND		ug/kg	190	50.	1
Fluorene	ND		ug/kg	240	69.	1
Phenanthrene	ND		ug/kg	140	47.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	46.	1
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	190	53.	1
Pyrene	ND		ug/kg	140	47.	1
Biphenyl	ND		ug/kg	550	79.	1
4-Chloroaniline	ND		ug/kg	240	63.	1
2-Nitroaniline	ND		ug/kg	240	68.	1
3-Nitroaniline	ND		ug/kg	240	66.	1
4-Nitroaniline	ND		ug/kg	240	65.	1
Dibenzofuran	ND		ug/kg	240	80.	1
2-Methylnaphthalene	ND		ug/kg	290	77.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	240	74.	1
Acetophenone	ND		ug/kg	240	74.	1
2,4,6-Trichlorophenol	ND		ug/kg	140	45.	1
P-Chloro-M-Cresol	ND		ug/kg	240	70.	1
2-Chlorophenol	ND		ug/kg	240	72.	1
2,4-Dichlorophenol	ND		ug/kg	220	78.	1
2,4-Dimethylphenol	ND		ug/kg	240	71.	1
2-Nitrophenol	ND		ug/kg	520	75.	1
4-Nitrophenol	ND		ug/kg	340	78.	1
2,4-Dinitrophenol	ND		ug/kg	1200	330	1
4,6-Dinitro-o-cresol	ND		ug/kg	620	88.	1
Pentachlorophenol	ND		ug/kg	190	51.	1
Phenol	ND		ug/kg	240	71.	1
2-Methylphenol	ND		ug/kg	240	77.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	340	79.	1
2,4,5-Trichlorophenol	ND		ug/kg	240	78.	1
Benzoic Acid	ND		ug/kg	780	240	1
Benzyl Alcohol	ND		ug/kg	240	74.	1
Carbazole	ND		ug/kg	240	52.	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11 Date Collected: 06/02/15 11:00

Client ID: SB13_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	70		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12
Client ID: FB02_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/06/15 17:51
Analyst: RC

Date Collected: 06/02/15 13:40
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/04/15 19:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12 Date Collected: 06/02/15 13:40

Client ID: FB02_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	93		41-149

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12
Client ID: FB02_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/05/15 15:47
Analyst: KV

Date Collected: 06/02/15 13:40
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/04/15 19:39

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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12 Date Collected: 06/02/15 13:40

Client ID: FB02_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	89		41-149

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/05/15 09:44
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06,08-11 Batch: WG790375-1					
Acenaphthene	ND		ug/kg	130	34.
1,2,4-Trichlorobenzene	ND		ug/kg	170	54.
Hexachlorobenzene	ND		ug/kg	100	31.
Bis(2-chloroethyl)ether	ND		ug/kg	150	47.
2-Chloronaphthalene	ND		ug/kg	170	54.
1,2-Dichlorobenzene	ND		ug/kg	170	55.
1,3-Dichlorobenzene	ND		ug/kg	170	52.
1,4-Dichlorobenzene	ND		ug/kg	170	51.
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.
2,4-Dinitrotoluene	ND		ug/kg	170	36.
2,6-Dinitrotoluene	ND		ug/kg	170	43.
Fluoranthene	ND		ug/kg	100	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	170	51.
4-Bromophenyl phenyl ether	ND		ug/kg	170	38.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	59.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	50.
Hexachlorobutadiene	ND		ug/kg	170	47.
Hexachlorocyclopentadiene	ND		ug/kg	480	110
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	44.
Naphthalene	ND		ug/kg	170	55.
Nitrobenzene	ND		ug/kg	150	40.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	35.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	50.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	170	44.
Butyl benzyl phthalate	ND		ug/kg	170	32.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	41.
Diethyl phthalate	ND		ug/kg	170	35.

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/05/15 09:44
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06,08-11 Batch: WG790375-1					
Dimethyl phthalate	ND		ug/kg	170	42.
Benzo(a)anthracene	ND		ug/kg	100	33.
Benzo(a)pyrene	ND		ug/kg	130	41.
Benzo(b)fluoranthene	ND		ug/kg	100	34.
Benzo(k)fluoranthene	ND		ug/kg	100	32.
Chrysene	ND		ug/kg	100	33.
Acenaphthylene	ND		ug/kg	130	31.
Anthracene	ND		ug/kg	100	28.
Benzo(ghi)perylene	ND		ug/kg	130	35.
Fluorene	ND		ug/kg	170	48.
Phenanthrene	ND		ug/kg	100	32.
Dibenzo(a,h)anthracene	ND		ug/kg	100	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	37.
Pyrene	ND		ug/kg	100	32.
Biphenyl	ND		ug/kg	380	55.
4-Chloroaniline	ND		ug/kg	170	44.
2-Nitroaniline	ND		ug/kg	170	47.
3-Nitroaniline	ND		ug/kg	170	46.
4-Nitroaniline	ND		ug/kg	170	45.
Dibenzofuran	ND		ug/kg	170	56.
2-Methylnaphthalene	ND		ug/kg	200	53.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	52.
Acetophenone	ND		ug/kg	170	52.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
P-Chloro-M-Cresol	ND		ug/kg	170	48.
2-Chlorophenol	ND		ug/kg	170	50.
2,4-Dichlorophenol	ND		ug/kg	150	54.
2,4-Dimethylphenol	ND		ug/kg	170	50.
2-Nitrophenol	ND		ug/kg	360	52.

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/05/15 09:44
Analyst: AS

Extraction Method: EPA 3546
Extraction Date: 06/03/15 12:44

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06,08-11 Batch: WG790375-1					
4-Nitrophenol	ND		ug/kg	230	54.
2,4-Dinitrophenol	ND		ug/kg	800	230
4,6-Dinitro-o-cresol	ND		ug/kg	430	61.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	170	49.
2-Methylphenol	ND		ug/kg	170	54.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	55.
2,4,5-Trichlorophenol	ND		ug/kg	170	54.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	170	51.
Carbazole	ND		ug/kg	170	36.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	99		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/07/15 11:48
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 06/04/15 02:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG790581-1					
Acenaphthene	ND		ug/kg	130	34.
Benzidine	ND		ug/kg	540	130
n-Nitrosodimethylamine	ND		ug/kg	320	53.
1,2,4-Trichlorobenzene	ND		ug/kg	160	53.
Hexachlorobenzene	ND		ug/kg	98	30.
Bis(2-chloroethyl)ether	ND		ug/kg	150	46.
2-Chloronaphthalene	ND		ug/kg	160	53.
1,2-Dichlorobenzene	ND		ug/kg	160	53.
1,3-Dichlorobenzene	ND		ug/kg	160	51.
1,4-Dichlorobenzene	ND		ug/kg	160	49.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	35.
2,6-Dinitrotoluene	ND		ug/kg	160	42.
Fluoranthene	ND		ug/kg	98	30.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	50.
4-Bromophenyl phenyl ether	ND		ug/kg	160	37.
Azobenzene	ND		ug/kg	160	44.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	57.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	49.
Hexachlorobutadiene	ND		ug/kg	160	46.
Hexachlorocyclopentadiene	ND		ug/kg	460	100
Hexachloroethane	ND		ug/kg	130	30.
Isophorone	ND		ug/kg	150	43.
Naphthalene	ND		ug/kg	160	54.
Nitrobenzene	ND		ug/kg	150	39.
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/kg	130	34.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	48.
Bis(2-Ethylhexyl)phthalate	ND		ug/kg	160	43.
Butyl benzyl phthalate	ND		ug/kg	160	32.

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/07/15 11:48
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 06/04/15 02:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG790581-1					
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	40.
Diethyl phthalate	ND		ug/kg	160	34.
Dimethyl phthalate	ND		ug/kg	160	41.
Benzo(a)anthracene	ND		ug/kg	98	32.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	33.
Benzo(k)fluoranthene	ND		ug/kg	98	31.
Chrysene	ND		ug/kg	98	32.
Acenaphthylene	ND		ug/kg	130	30.
Anthracene	ND		ug/kg	98	27.
Benzo(ghi)perylene	ND		ug/kg	130	34.
Fluorene	ND		ug/kg	160	47.
Phenanthrene	ND		ug/kg	98	32.
Dibenzo(a,h)anthracene	ND		ug/kg	98	32.
Indeno(1,2,3-cd)Pyrene	ND		ug/kg	130	36.
Pyrene	ND		ug/kg	98	32.
Biphenyl	ND		ug/kg	370	54.
Aniline	ND		ug/kg	200	33.
4-Chloroaniline	ND		ug/kg	160	43.
2-Nitroaniline	ND		ug/kg	160	46.
3-Nitroaniline	ND		ug/kg	160	45.
4-Nitroaniline	ND		ug/kg	160	44.
Dibenzofuran	ND		ug/kg	160	54.
2-Methylnaphthalene	ND		ug/kg	200	52.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	50.
Acetophenone	ND		ug/kg	160	50.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
P-Chloro-M-Cresol	ND		ug/kg	160	47.

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/07/15 11:48
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 06/04/15 02:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG790581-1					
2-Chlorophenol	ND		ug/kg	160	49.
2,4-Dichlorophenol	ND		ug/kg	150	53.
2,4-Dimethylphenol	ND		ug/kg	160	48.
2-Nitrophenol	ND		ug/kg	350	51.
4-Nitrophenol	ND		ug/kg	230	53.
2,4-Dinitrophenol	ND		ug/kg	780	220
4,6-Dinitro-o-cresol	ND		ug/kg	420	60.
Pentachlorophenol	ND		ug/kg	130	35.
Phenol	ND		ug/kg	160	48.
2-Methylphenol	ND		ug/kg	160	52.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	53.
2,4,5-Trichlorophenol	ND		ug/kg	160	53.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	35.
Benzaldehyde	ND		ug/kg	210	66.
Caprolactam	ND		ug/kg	160	45.
Atrazine	ND		ug/kg	130	37.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	28.
Pyridine	ND		ug/kg	650	58.
Parathion, ethyl	ND		ug/kg	160	64.
1-Methylnaphthalene	ND		ug/kg	160	48.

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/07/15 11:48
Analyst: RC

Extraction Method: EPA 3546
Extraction Date: 06/04/15 02:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG790581-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	91		18-120

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/06/15 11:32
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 06/04/15 19:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG790858-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Isophorone	ND		ug/l	5.0	0.79
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	1.9	J	ug/l	5.0	0.39
Dimethyl phthalate	ND		ug/l	5.0	0.33
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/06/15 11:32
Analyst: RC

Extraction Method: EPA 3510C
Extraction Date: 06/04/15 19:34

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG790858-1					
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	91		41-149

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/05/15 13:21
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/04/15 19:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12 Batch: WG790859-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	ND		ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	ND		ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.07

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/05/15 13:21
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/04/15 19:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12 Batch: WG790859-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	91		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06,08-11 Batch: WG790375-2 WG790375-3								
Acenaphthene	78		77		31-137	1		50
1,2,4-Trichlorobenzene	73		72		38-107	1		50
Hexachlorobenzene	78		80		40-140	3		50
Bis(2-chloroethyl)ether	72		70		40-140	3		50
2-Chloronaphthalene	78		76		40-140	3		50
1,2-Dichlorobenzene	70		69		40-140	1		50
1,3-Dichlorobenzene	69		66		40-140	4		50
1,4-Dichlorobenzene	70		68		28-104	3		50
3,3'-Dichlorobenzidine	73		72		40-140	1		50
2,4-Dinitrotoluene	85		87		28-89	2		50
2,6-Dinitrotoluene	85		86		40-140	1		50
Fluoranthene	81		83		40-140	2		50
4-Chlorophenyl phenyl ether	80		80		40-140	0		50
4-Bromophenyl phenyl ether	80		80		40-140	0		50
Bis(2-chloroisopropyl)ether	72		71		40-140	1		50
Bis(2-chloroethoxy)methane	75		77		40-117	3		50
Hexachlorobutadiene	74		72		40-140	3		50
Hexachlorocyclopentadiene	83		83		40-140	0		50
Hexachloroethane	70		67		40-140	4		50
Isophorone	74		76		40-140	3		50
Naphthalene	76		74		40-140	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06,08-11 Batch: WG790375-2 WG790375-3								
Nitrobenzene	75		75		40-140	0		50
NitrosoDiPhenylAmine(NDPA)/DPA	81		83		36-157	2		50
n-Nitrosodi-n-propylamine	76		75		32-121	1		50
Bis(2-Ethylhexyl)phthalate	81		84		40-140	4		50
Butyl benzyl phthalate	83		84		40-140	1		50
Di-n-butylphthalate	82		84		40-140	2		50
Di-n-octylphthalate	84		88		40-140	5		50
Diethyl phthalate	80		80		40-140	0		50
Dimethyl phthalate	80		80		40-140	0		50
Benzo(a)anthracene	77		80		40-140	4		50
Benzo(a)pyrene	78		80		40-140	3		50
Benzo(b)fluoranthene	75		78		40-140	4		50
Benzo(k)fluoranthene	80		82		40-140	2		50
Chrysene	77		81		40-140	5		50
Acenaphthylene	80		81		40-140	1		50
Anthracene	80		81		40-140	1		50
Benzo(ghi)perylene	76		78		40-140	3		50
Fluorene	80		80		40-140	0		50
Phenanthrene	78		79		40-140	1		50
Dibenzo(a,h)anthracene	77		80		40-140	4		50
Indeno(1,2,3-cd)Pyrene	77		79		40-140	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06,08-11 Batch: WG790375-2 WG790375-3								
Pyrene	80		80		35-142	0		50
Biphenyl	78		78		54-104	0		50
4-Chloroaniline	77		76		40-140	1		50
2-Nitroaniline	84		83		47-134	1		50
3-Nitroaniline	75		73		26-129	3		50
4-Nitroaniline	82		83		41-125	1		50
Dibenzofuran	78		78		40-140	0		50
2-Methylnaphthalene	77		76		40-140	1		50
1,2,4,5-Tetrachlorobenzene	75		75		40-117	0		50
Acetophenone	74		73		14-144	1		50
2,4,6-Trichlorophenol	82		82		30-130	0		50
P-Chloro-M-Cresol	84		84		26-103	0		50
2-Chlorophenol	77		75		25-102	3		50
2,4-Dichlorophenol	80		82		30-130	2		50
2,4-Dimethylphenol	81		80		30-130	1		50
2-Nitrophenol	77		77		30-130	0		50
4-Nitrophenol	86		91		11-114	6		50
2,4-Dinitrophenol	88		91		4-130	3		50
4,6-Dinitro-o-cresol	90		92		10-130	2		50
Pentachlorophenol	85		85		17-109	0		50
Phenol	77		77		26-90	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06,08-11 Batch: WG790375-2 WG790375-3								
2-Methylphenol	79		79		30-130.	0		50
3-Methylphenol/4-Methylphenol	80		79		30-130	1		50
2,4,5-Trichlorophenol	82		83		30-130	1		50
Benzoic Acid	**75**	Q	**77**	Q	10-66	3		50
Benzyl Alcohol	80		80		40-140	0		50
Carbazole	81		81		54-128	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		80		25-120
Phenol-d6	82		84		10-120
Nitrobenzene-d5	79		80		23-120
2-Fluorobiphenyl	84		84		30-120
2,4,6-Tribromophenol	86		89		10-136
4-Terphenyl-d14	87		89		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG790581-2 WG790581-3								
Acenaphthene	82		86		31-137	5		50
Benzidine	52		54		10-66	4		50
n-Nitrosodimethylamine	64		72		22-100	12		50
1,2,4-Trichlorobenzene	71		76		38-107	7		50
Hexachlorobenzene	90		93		40-140	3		50
Bis(2-chloroethyl)ether	74		75		40-140	1		50
2-Chloronaphthalene	82		84		40-140	2		50
1,2-Dichlorobenzene	65		71		40-140	9		50
1,3-Dichlorobenzene	62		69		40-140	11		50
1,4-Dichlorobenzene	63		70		28-104	11		50
3,3'-Dichlorobenzidine	86		84		40-140	2		50
2,4-Dinitrotoluene	**93**	Q	**97**	Q	28-89	4		50
2,6-Dinitrotoluene	91		94		40-140	3		50
Fluoranthene	93		96		40-140	3		50
4-Chlorophenyl phenyl ether	84		88		40-140	5		50
4-Bromophenyl phenyl ether	88		94		40-140	7		50
Azobenzene	88		93		40-140	6		50
Bis(2-chloroisopropyl)ether	80		81		40-140	1		50
Bis(2-chloroethoxy)methane	81		80		40-117	1		50
Hexachlorobutadiene	72		79		40-140	9		50
Hexachlorocyclopentadiene	74		77		40-140	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG790581-2 WG790581-3								
Hexachloroethane	64		71		40-140	10		50
Isophorone	82		83		40-140	1		50
Naphthalene	76		80		40-140	5		50
Nitrobenzene	78		83		40-140	6		50
NitrosoDiPhenylAmine(NDPA)/DPA	90		96		36-157	6		50
n-Nitrosodi-n-propylamine	82		82		32-121	0		50
Bis(2-Ethylhexyl)phthalate	98		100		40-140	2		50
Butyl benzyl phthalate	98		102		40-140	4		50
Di-n-butylphthalate	94		96		40-140	2		50
Di-n-octylphthalate	102		105		40-140	3		50
Diethyl phthalate	90		94		40-140	4		50
Dimethyl phthalate	84		89		40-140	6		50
Benzo(a)anthracene	92		92		40-140	0		50
Benzo(a)pyrene	90		91		40-140	1		50
Benzo(b)fluoranthene	84		85		40-140	1		50
Benzo(k)fluoranthene	88		89		40-140	1		50
Chrysene	89		89		40-140	0		50
Acenaphthylene	85		88		40-140	3		50
Anthracene	94		98		40-140	4		50
Benzo(ghi)perylene	90		90		40-140	0		50
Fluorene	85		89		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG790581-2 WG790581-3								
Phenanthrene	87		92		40-140	6		50
Dibenzo(a,h)anthracene	89		90		40-140	1		50
Indeno(1,2,3-cd)Pyrene	93		93		40-140	0		50
Pyrene	93		96		35-142	3		50
Biphenyl	82		87		54-104	6		50
Aniline	62		63		40-140	2		50
4-Chloroaniline	82		81		40-140	1		50
2-Nitroaniline	92		97		47-134	5		50
3-Nitroaniline	75		79		26-129	5		50
4-Nitroaniline	94		99		41-125	5		50
Dibenzofuran	84		88		40-140	5		50
2-Methylnaphthalene	78		80		40-140	3		50
1,2,4,5-Tetrachlorobenzene	78		81		40-117	4		50
Acetophenone	83		81		14-144	2		50
2,4,6-Trichlorophenol	84		90		30-130	7		50
P-Chloro-M-Cresol	86		90		26-103	5		50
2-Chlorophenol	77		77		25-102	0		50
2,4-Dichlorophenol	80		85		30-130	6		50
2,4-Dimethylphenol	88		87		30-130	1		50
2-Nitrophenol	77		78		30-130	1		50
4-Nitrophenol	105		108		11-114	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG790581-2 WG790581-3								
2,4-Dinitrophenol	88		79		4-130	11		50
4,6-Dinitro-o-cresol	92		94		10-130	2		50
Pentachlorophenol	95		97		17-109	2		50
Phenol	75		76		26-90	1		50
2-Methylphenol	84		83		30-130.	1		50
3-Methylphenol/4-Methylphenol	81		82		30-130	1		50
2,4,5-Trichlorophenol	84		87		30-130	4		50
Benzoic Acid	51		32		10-66	46		50
Benzyl Alcohol	83		82		40-140	1		50
Carbazole	90		93		54-128	3		50
Benzaldehyde	63		71		40-140	12		50
Caprolactam	92		96		15-130	4		50
Atrazine	100		102		40-140	2		50
2,3,4,6-Tetrachlorophenol	89		94		40-140	5		50
Pyridine	36		43		10-93	18		50
Parathion, ethyl	113		110		40-140	3		50
1-Methylnaphthalene	78		80		26-130	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG790581-2 WG790581-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		74		25-120
Phenol-d6	78		78		10-120
Nitrobenzene-d5	76		76		23-120
2-Fluorobiphenyl	76		80		30-120
2,4,6-Tribromophenol	85		90		10-136
4-Terphenyl-d14	85		88		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG790858-2 WG790858-3								
1,2,4-Trichlorobenzene	53		52		39-98	2		30
Bis(2-chloroethyl)ether	82		77		40-140	6		30
1,2-Dichlorobenzene	56		55		40-140	2		30
1,3-Dichlorobenzene	55		53		40-140	4		30
1,4-Dichlorobenzene	56		54		36-97	4		30
3,3'-Dichlorobenzidine	74		71		40-140	4		30
2,4-Dinitrotoluene	91		86		24-96	6		30
2,6-Dinitrotoluene	96		90		40-140	6		30
4-Chlorophenyl phenyl ether	76		72		40-140	5		30
4-Bromophenyl phenyl ether	82		77		40-140	6		30
Bis(2-chloroisopropyl)ether	79		74		40-140	7		30
Bis(2-chloroethoxy)methane	87		81		40-140	7		30
Hexachlorocyclopentadiene	**24**	Q	**25**	Q	40-140	4		30
Isophorone	88		82		40-140	7		30
Nitrobenzene	79		74		40-140	7		30
NitrosoDiPhenylAmine(NDPA)/DPA	84		78		40-140	7		30
n-Nitrosodi-n-propylamine	86		81		29-132	6		30
Bis(2-Ethylhexyl)phthalate	91		84		40-140	8		30
Butyl benzyl phthalate	87		82		40-140	6		30
Di-n-butylphthalate	89		83		40-140	7		30
Di-n-octylphthalate	89		83		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG790858-2 WG790858-3								
Diethyl phthalate	89		83		40-140	7		30
Dimethyl phthalate	86		81		40-140	6		30
Biphenyl	67		63		54-104	6		30
4-Chloroaniline	64		59		40-140	8		30
2-Nitroaniline	95		91		52-143	4		30
3-Nitroaniline	69		66		25-145	4		30
4-Nitroaniline	89		84		51-143	6		30
Dibenzofuran	76		72		40-140	5		30
1,2,4,5-Tetrachlorobenzene	56		54		2-134	4		30
Acetophenone	83		78		39-129	6		30
2,4,6-Trichlorophenol	85		81		30-130	5		30
P-Chloro-M-Cresol	89		84		23-97	6		30
2-Chlorophenol	79		74		27-123	7		30
2,4-Dichlorophenol	80		75		30-130	6		30
2,4-Dimethylphenol	81		72		30-130	12		30
2-Nitrophenol	80		75		30-130	6		30
4-Nitrophenol	55		53		10-80	4		30
2,4-Dinitrophenol	78		74		20-130	5		30
4,6-Dinitro-o-cresol	92		89		20-164	3		30
Phenol	40		40		12-110	0		30
2-Methylphenol	74		68		30-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG790858-2 WG790858-3								
3-Methylphenol/4-Methylphenol	71		66		30-130	7		30
2,4,5-Trichlorophenol	89		84		30-130	6		30
Benzoic Acid	24		17		10-110	**34**	Q	30
Benzyl Alcohol	77		70		15-110	10		30
Carbazole	90		86		55-144	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		50		21-120
Phenol-d6	39		36		10-120
Nitrobenzene-d5	84		80		23-120
2-Fluorobiphenyl	84		79		15-120
2,4,6-Tribromophenol	84		77		10-120
4-Terphenyl-d14	84		80		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12 Batch: WG790859-2 WG790859-3								
Acenaphthene	89		84		37-111	6		40
2-Chloronaphthalene	96		92		40-140	4		40
Fluoranthene	99		91		40-140	8		40
Hexachlorobutadiene	78		76		40-140	3		40
Naphthalene	93		91		40-140	2		40
Benzo(a)anthracene	102		94		40-140	8		40
Benzo(a)pyrene	100		93		40-140	7		40
Benzo(b)fluoranthene	100		97		40-140	3		40
Benzo(k)fluoranthene	99		87		40-140	13		40
Chrysene	93		86		40-140	8		40
Acenaphthylene	101		95		40-140	6		40
Anthracene	93		86		40-140	8		40
Benzo(ghi)perylene	102		93		40-140	9		40
Fluorene	98		91		40-140	7		40
Phenanthrene	92		84		40-140	9		40
Dibenzo(a,h)anthracene	105		96		40-140	9		40
Indeno(1,2,3-cd)Pyrene	104		96		40-140	8		40
Pyrene	97		90		26-127	7		40
2-Methylnaphthalene	96		93		40-140	3		40
Pentachlorophenol	90		82		9-103	9		40
Hexachlorobenzene	84		78		40-140	7		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12 Batch: WG790859-2 WG790859-3								
Hexachloroethane	84		87		40-140	4		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61		58		21-120
Phenol-d6	42		40		10-120
Nitrobenzene-d5	98		96		23-120
2-Fluorobiphenyl	97		89		15-120
2,4,6-Tribromophenol	115		104		10-120
4-Terphenyl-d14	88		81		41-149

PCBS

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-03	Date Collected:	06/02/15 08:20
Client ID:	SB03N_3-4	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/04/15 00:35
Analytical Date:	06/04/15 20:56	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/04/15
Percent Solids:	74%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	43.4	3.43	1	A
Aroclor 1221	ND		ug/kg	43.4	4.00	1	A
Aroclor 1232	ND		ug/kg	43.4	5.09	1	A
Aroclor 1242	ND		ug/kg	43.4	5.31	1	A
Aroclor 1248	ND		ug/kg	43.4	3.66	1	A
Aroclor 1254	ND		ug/kg	43.4	3.57	1	A
Aroclor 1260	ND		ug/kg	43.4	3.31	1	A
Aroclor 1262	ND		ug/kg	43.4	2.15	1	A
Aroclor 1268	ND		ug/kg	43.4	6.29	1	A
PCBs, Total	ND		ug/kg	43.4	2.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06
Client ID: SB12_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/04/15 21:12
Analyst: JT
Percent Solids: 69%

Date Collected: 06/02/15 09:50
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/04/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.2	3.73	1	A
Aroclor 1221	ND		ug/kg	47.2	4.35	1	A
Aroclor 1232	ND		ug/kg	47.2	5.54	1	A
Aroclor 1242	ND		ug/kg	47.2	5.78	1	A
Aroclor 1248	ND		ug/kg	47.2	3.99	1	A
Aroclor 1254	ND		ug/kg	47.2	3.88	1	A
Aroclor 1260	ND		ug/kg	47.2	3.60	1	A
Aroclor 1262	ND		ug/kg	47.2	2.34	1	A
Aroclor 1268	ND		ug/kg	47.2	6.85	1	A
PCBs, Total	ND		ug/kg	47.2	2.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-08	Date Collected:	06/02/15 10:30
Client ID:	SB12_14-15	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/04/15 00:35
Analytical Date:	06/04/15 21:27	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/04/15
Percent Solids:	81%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.0	3.24	1	A
Aroclor 1221	ND		ug/kg	41.0	3.78	1	A
Aroclor 1232	ND		ug/kg	41.0	4.80	1	A
Aroclor 1242	ND		ug/kg	41.0	5.02	1	A
Aroclor 1248	ND		ug/kg	41.0	3.46	1	A
Aroclor 1254	ND		ug/kg	41.0	3.37	1	A
Aroclor 1260	ND		ug/kg	41.0	3.12	1	A
Aroclor 1262	ND		ug/kg	41.0	2.03	1	A
Aroclor 1268	ND		ug/kg	41.0	5.94	1	A
PCBs, Total	ND		ug/kg	41.0	2.03	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-09	Date Collected:	06/02/15 10:50
Client ID:	SB13_1-2	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 3546
Analytical Method:	1,8082A	Extraction Date:	06/04/15 00:35
Analytical Date:	06/04/15 21:43	Cleanup Method:	EPA 3665A
Analyst:	JT	Cleanup Date:	06/04/15
Percent Solids:	87%	Cleanup Method:	EPA 3660B
		Cleanup Date:	06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.91	1	A
Aroclor 1221	ND		ug/kg	36.8	3.40	1	A
Aroclor 1232	ND		ug/kg	36.8	4.32	1	A
Aroclor 1242	ND		ug/kg	36.8	4.51	1	A
Aroclor 1248	ND		ug/kg	36.8	3.11	1	A
Aroclor 1254	ND		ug/kg	36.8	3.03	1	A
Aroclor 1260	ND		ug/kg	36.8	2.81	1	A
Aroclor 1262	ND		ug/kg	36.8	1.83	1	A
Aroclor 1268	11.4	J	ug/kg	36.8	5.34	1	A
PCBs, Total	11.4	J	ug/kg	36.8	1.83	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	43		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10
Client ID: DUP01_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/04/15 21:58
Analyst: JT
Percent Solids: 89%

Date Collected: 06/02/15 00:00
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 01:14
Cleanup Method: EPA 3665A
Cleanup Date: 06/04/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	2.90	1	A
Aroclor 1221	ND		ug/kg	36.8	3.39	1	A
Aroclor 1232	ND		ug/kg	36.8	4.31	1	A
Aroclor 1242	ND		ug/kg	36.8	4.50	1	A
Aroclor 1248	ND		ug/kg	36.8	3.10	1	A
Aroclor 1254	ND		ug/kg	36.8	3.02	1	A
Aroclor 1260	ND		ug/kg	36.8	2.80	1	A
Aroclor 1262	ND		ug/kg	36.8	1.82	1	A
Aroclor 1268	ND		ug/kg	36.8	5.33	1	A
PCBs, Total	ND		ug/kg	36.8	1.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11
Client ID: SB13_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/04/15 22:13
Analyst: JT
Percent Solids: 67%

Date Collected: 06/02/15 11:00
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 01:15
Cleanup Method: EPA 3665A
Cleanup Date: 06/04/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/14/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	47.9	3.79	1	A
Aroclor 1221	ND		ug/kg	47.9	4.42	1	A
Aroclor 1232	ND		ug/kg	47.9	5.62	1	A
Aroclor 1242	ND		ug/kg	47.9	5.87	1	A
Aroclor 1248	ND		ug/kg	47.9	4.04	1	A
Aroclor 1254	ND		ug/kg	47.9	3.94	1	A
Aroclor 1260	ND		ug/kg	47.9	3.65	1	A
Aroclor 1262	ND		ug/kg	47.9	2.38	1	A
Aroclor 1268	ND		ug/kg	47.9	6.95	1	A
PCBs, Total	ND		ug/kg	47.9	2.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12
Client ID: FB02_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/09/15 23:43
Analyst: JT

Date Collected: 06/02/15 13:40
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3510C
Extraction Date: 06/09/15 13:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.135	0.089	1	A
Aroclor 1221	ND		ug/l	0.135	0.087	1	A
Aroclor 1232	ND		ug/l	0.135	0.050	1	A
Aroclor 1242	ND		ug/l	0.135	0.097	1	A
Aroclor 1248	ND		ug/l	0.135	0.082	1	A
Aroclor 1254	ND		ug/l	0.135	0.055	1	A
Aroclor 1260	ND		ug/l	0.135	0.051	1	A
Aroclor 1262	ND		ug/l	0.135	0.047	1	A
Aroclor 1268	ND		ug/l	0.135	0.061	1	A
PCBs, Total	ND		ug/l	0.135	0.047	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	70		30-150	A

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/04/15 14:12
Analyst: JT

Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:35
Cleanup Method: EPA 3665A
Cleanup Date: 06/04/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,06,08-11 Batch: WG790553-1						
Aroclor 1016	ND		ug/kg	31.6	2.49	A
Aroclor 1221	ND		ug/kg	31.6	2.91	A
Aroclor 1232	ND		ug/kg	31.6	3.70	A
Aroclor 1242	ND		ug/kg	31.6	3.86	A
Aroclor 1248	ND		ug/kg	31.6	2.66	A
Aroclor 1254	ND		ug/kg	31.6	2.59	A
Aroclor 1260	ND		ug/kg	31.6	2.40	A
Aroclor 1262	ND		ug/kg	31.6	1.56	A
Aroclor 1268	ND		ug/kg	31.6	4.58	A
PCBs, Total	ND		ug/kg	31.6	1.56	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/10/15 00:26
Analyst: JT

Extraction Method: EPA 3510C
Extraction Date: 06/09/15 13:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12 Batch: WG791962-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	58		30-150	B
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	70		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,06,08-11 Batch: WG790553-2 WG790553-3									
Aroclor 1016	75		79		40-140	5		50	A
Aroclor 1260	64		72		40-140	12		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		81		30-150	A
Decachlorobiphenyl	72		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		88		30-150	B
Decachlorobiphenyl	92		94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12 Batch: WG791962-2 WG791962-3									
Aroclor 1016	77		76		40-140	2		50	A
Aroclor 1260	70		70		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		71		30-150	B
Decachlorobiphenyl	69		69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		70		30-150	A
Decachlorobiphenyl	81		81		30-150	A

PESTICIDES

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03
Client ID: SB03N_3-4
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/08/15 04:44
Analyst: JW
Percent Solids: 74%

Date Collected: 06/02/15 08:20
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:40
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.11	0.414	1	A
Lindane	ND		ug/kg	0.881	0.394	1	A
Alpha-BHC	ND		ug/kg	0.881	0.250	1	A
Beta-BHC	ND		ug/kg	2.11	0.802	1	A
Heptachlor	ND		ug/kg	1.06	0.474	1	A
Aldrin	ND		ug/kg	2.11	0.744	1	A
Heptachlor epoxide	ND		ug/kg	3.96	1.19	1	A
Endrin	ND		ug/kg	0.881	0.361	1	A
Endrin ketone	ND		ug/kg	2.11	0.544	1	A
Dieldrin	ND		ug/kg	1.32	0.661	1	A
4,4'-DDE	ND		ug/kg	2.11	0.489	1	A
4,4'-DDD	ND		ug/kg	2.11	0.754	1	A
4,4'-DDT	ND		ug/kg	3.96	1.70	1	A
Endosulfan I	ND		ug/kg	2.11	0.500	1	A
Endosulfan II	ND		ug/kg	2.11	0.706	1	A
Endosulfan sulfate	ND		ug/kg	0.881	0.419	1	A
Methoxychlor	ND		ug/kg	3.96	1.23	1	A
Toxaphene	ND		ug/kg	39.6	11.1	1	A
cis-Chlordane	ND		ug/kg	2.64	0.736	1	A
trans-Chlordane	ND		ug/kg	2.64	0.698	1	A
Chlordane	ND		ug/kg	17.2	7.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	85		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-03	Date Collected:	06/02/15 08:20
Client ID:	SB03N_3-4	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/05/15 01:18
Analytical Date:	06/06/15 02:39		
Analyst:	KB		
Percent Solids:	74%		
Methylation Date:	06/05/15 18:22		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	222	27.1	1	A
2,4,5-T	ND		ug/kg	222	13.9	1	A
2,4,5-TP (Silvex)	ND		ug/kg	222	12.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	73		30-150	A
DCAA	72		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06
Client ID: SB12_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/09/15 11:57
Analyst: JW
Percent Solids: 69%

Date Collected: 06/02/15 09:50
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:40
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.26	0.443	1	A
Lindane	ND		ug/kg	0.942	0.421	1	A
Alpha-BHC	ND		ug/kg	0.942	0.268	1	A
Beta-BHC	ND		ug/kg	2.26	0.857	1	A
Heptachlor	ND		ug/kg	1.13	0.507	1	A
Aldrin	ND		ug/kg	2.26	0.796	1	A
Heptachlor epoxide	ND		ug/kg	4.24	1.27	1	A
Endrin	ND		ug/kg	0.942	0.386	1	A
Endrin ketone	ND		ug/kg	2.26	0.582	1	A
Dieldrin	ND		ug/kg	1.41	0.707	1	A
4,4'-DDE	6.89		ug/kg	2.26	0.523	1	A
4,4'-DDD	ND		ug/kg	2.26	0.806	1	A
4,4'-DDT	16.2		ug/kg	4.24	1.82	1	A
Endosulfan I	ND		ug/kg	2.26	0.534	1	A
Endosulfan II	ND		ug/kg	2.26	0.756	1	A
Endosulfan sulfate	ND		ug/kg	0.942	0.448	1	A
Methoxychlor	ND		ug/kg	4.24	1.32	1	A
Toxaphene	ND		ug/kg	42.4	11.9	1	A
cis-Chlordane	10.4		ug/kg	2.83	0.788	1	B
trans-Chlordane	5.73	PI	ug/kg	2.83	0.746	1	A
Chlordane	31.8	PI	ug/kg	18.4	7.49	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	60		30-150	B
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	47		30-150	A

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06
Client ID: SB12_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/05/15 12:52
Analyst: KB
Percent Solids: 69%
Methylation Date: 06/04/15 20:07

Date Collected: 06/02/15 09:50
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 06/03/15 16:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	240	29.2	1	A
2,4,5-T	ND		ug/kg	240	15.0	1	A
2,4,5-TP (Silvex)	ND		ug/kg	240	13.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	79		30-150	A
DCAA	75		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08
Client ID: SB12_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/08/15 05:10
Analyst: JW
Percent Solids: 81%

Date Collected: 06/02/15 10:30
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:40
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.791	0.354	1	A
Alpha-BHC	ND		ug/kg	0.791	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.720	1	A
Heptachlor	ND		ug/kg	0.949	0.426	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	0.791	0.324	1	A
Endrin ketone	ND		ug/kg	1.90	0.489	1	A
Dieldrin	ND		ug/kg	1.19	0.593	1	A
4,4'-DDE	ND		ug/kg	1.90	0.439	1	A
4,4'-DDD	ND		ug/kg	1.90	0.677	1	A
4,4'-DDT	ND		ug/kg	3.56	1.53	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	0.791	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	0.661	1	A
trans-Chlordane	ND		ug/kg	2.37	0.626	1	A
Chlordane	ND		ug/kg	15.4	6.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	123		30-150	B
Decachlorobiphenyl	80		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**153**	Q	30-150	A
Decachlorobiphenyl	63		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-08	Date Collected:	06/02/15 10:30
Client ID:	SB12_14-15	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/03/15 16:14
Analytical Date:	06/05/15 13:11		
Analyst:	KB		
Percent Solids:	81%		
Methylation Date:	06/04/15 20:07		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	203	24.7	1	A
2,4,5-T	ND		ug/kg	203	12.7	1	A
2,4,5-TP (Silvex)	ND		ug/kg	203	11.2	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	71		30-150	B

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09
Client ID: SB13_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/09/15 12:10
Analyst: JW
Percent Solids: 87%

Date Collected: 06/02/15 10:50
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:40
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

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	0.750	0.335	1	A
Alpha-BHC	ND		ug/kg	0.750	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.682	1	A
Heptachlor	0.773	J	ug/kg	0.900	0.403	1	B
Aldrin	ND		ug/kg	1.80	0.634	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.750	0.307	1	A
Endrin ketone	ND		ug/kg	1.80	0.463	1	A
Dieldrin	ND		ug/kg	1.12	0.562	1	A
4,4'-DDE	5.01		ug/kg	1.80	0.416	1	A
4,4'-DDD	3.72		ug/kg	1.80	0.642	1	B
4,4'-DDT	42.9		ug/kg	3.37	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.425	1	A
Endosulfan II	ND		ug/kg	1.80	0.601	1	A
Endosulfan sulfate	ND		ug/kg	0.750	0.357	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.45	1	A
cis-Chlordane	ND		ug/kg	2.25	0.627	1	A
trans-Chlordane	ND		ug/kg	2.25	0.594	1	A
Chlordane	ND		ug/kg	14.6	5.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	123		30-150	B
2,4,5,6-Tetrachloro-m-xylene	132		30-150	A
Decachlorobiphenyl	118		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09
Client ID: SB13_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/05/15 13:31
Analyst: KB
Percent Solids: 87%
Methylation Date: 06/04/15 20:07

Date Collected: 06/02/15 10:50
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 06/03/15 16:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	23.0	1	A
2,4,5-T	ND		ug/kg	189	11.8	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	10.4	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	31		30-150	A
DCAA	31		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10
Client ID: DUP01_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/09/15 12:23
Analyst: JW
Percent Solids: 89%

Date Collected: 06/02/15 00:00
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:40
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	2.21	PI	ug/kg	0.879	0.394	1	B
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	3.79	PI	ug/kg	1.76	0.406	1	B
4,4'-DDD	1.19	J	ug/kg	1.76	0.627	1	A
4,4'-DDT	11.4		ug/kg	3.30	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.30	1.02	1	A
Toxaphene	ND		ug/kg	33.0	9.23	1	A
cis-Chlordane	11.8		ug/kg	2.20	0.612	1	A
trans-Chlordane	9.91	P	ug/kg	2.20	0.580	1	A
Chlordane	69.9		ug/kg	14.3	5.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	42		30-150	B
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	105		30-150	A

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10
Client ID: DUP01_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 06/05/15 13:51
Analyst: KB
Percent Solids: 89%
Methylation Date: 06/04/15 20:07

Date Collected: 06/02/15 00:00
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 8151A
Extraction Date: 06/03/15 16:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	22.6	1	A
2,4,5-T	ND		ug/kg	186	11.6	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	10.3	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	83		30-150	B

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11
Client ID: SB13_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/08/15 05:49
Analyst: JW
Percent Solids: 67%

Date Collected: 06/02/15 11:00
Date Received: 06/02/15
Field Prep: Not Specified
Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:40
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.37	0.463	1	A
Lindane	ND		ug/kg	0.986	0.441	1	A
Alpha-BHC	ND		ug/kg	0.986	0.280	1	A
Beta-BHC	ND		ug/kg	2.37	0.897	1	A
Heptachlor	ND		ug/kg	1.18	0.530	1	A
Aldrin	ND		ug/kg	2.37	0.833	1	A
Heptachlor epoxide	ND		ug/kg	4.44	1.33	1	A
Endrin	ND		ug/kg	0.986	0.404	1	A
Endrin ketone	ND		ug/kg	2.37	0.609	1	A
Dieldrin	ND		ug/kg	1.48	0.739	1	A
4,4'-DDE	ND		ug/kg	2.37	0.547	1	A
4,4'-DDD	ND		ug/kg	2.37	0.844	1	A
4,4'-DDT	ND		ug/kg	4.44	1.90	1	A
Endosulfan I	ND		ug/kg	2.37	0.559	1	A
Endosulfan II	ND		ug/kg	2.37	0.791	1	A
Endosulfan sulfate	ND		ug/kg	0.986	0.469	1	A
Methoxychlor	ND		ug/kg	4.44	1.38	1	A
Toxaphene	ND		ug/kg	44.4	12.4	1	A
cis-Chlordane	ND		ug/kg	2.96	0.824	1	A
trans-Chlordane	ND		ug/kg	2.96	0.781	1	A
Chlordane	ND		ug/kg	19.2	7.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	113		30-150	B
2,4,5,6-Tetrachloro-m-xylene	**2440**	Q	30-150	A
Decachlorobiphenyl	98		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-11	Date Collected:	06/02/15 11:00
Client ID:	SB13_14-15	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Soil	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/03/15 16:14
Analytical Date:	06/05/15 14:10		
Analyst:	KB		
Percent Solids:	67%		
Methylation Date:	06/04/15 20:07		

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	245	29.8	1	A
2,4,5-T	ND		ug/kg	245	15.3	1	A
2,4,5-TP (Silvex)	ND		ug/kg	245	13.5	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	75		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-12	Date Collected:	06/02/15 13:40
Client ID:	FB02_060215	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/03/15 13:37
Analytical Date:	06/05/15 00:15	Cleanup Method:	EPA 3620B
Analyst:	GP	Cleanup Date:	06/04/15

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 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	0.013	J	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID:	L1512158-12	Date Collected:	06/02/15 13:40
Client ID:	FB02_060215	Date Received:	06/02/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	Not Specified
Matrix:	Water	Extraction Method:	EPA 8151A
Analytical Method:	1,8151A	Extraction Date:	06/05/15 17:27
Analytical Date:	06/08/15 23:29		
Analyst:	KB		

Methylation Date: 06/08/15 10:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.544	1	A
2,4,5-T	ND		ug/l	2.00	0.488	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	68		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/04/15 22:26
Analyst: GP

Extraction Method: EPA 3510C
Extraction Date: 06/03/15 13:37
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12 Batch: WG790396-1						
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 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

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/05/15 10:54
Analyst: KB

Extraction Method: EPA 8151A
Extraction Date: 06/03/15 16:14

Methylation Date: 06/04/15 20:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 06,08-11 Batch: WG790458-1						
2,4-D	ND		ug/kg	163	19.9	A
2,4,5-T	ND		ug/kg	163	10.2	A
2,4,5-TP (Silvex)	ND		ug/kg	163	9.02	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	79		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/08/15 03:13
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:39
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,06,08-11 Batch: WG790557-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.629	0.281	A
Alpha-BHC	ND		ug/kg	0.629	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.573	A
Aldrin	ND		ug/kg	1.51	0.532	A
Heptachlor epoxide	ND		ug/kg	2.83	0.850	A
Endrin	ND		ug/kg	0.629	0.258	A
Endrin ketone	ND		ug/kg	1.51	0.389	A
Dieldrin	ND		ug/kg	0.944	0.472	A
4,4'-DDE	ND		ug/kg	1.51	0.349	A
4,4'-DDD	ND		ug/kg	1.51	0.539	A
4,4'-DDT	ND		ug/kg	2.83	1.21	A
Endosulfan I	ND		ug/kg	1.51	0.357	A
Endosulfan II	ND		ug/kg	1.51	0.505	A
Endosulfan sulfate	ND		ug/kg	0.629	0.300	A
Methoxychlor	ND		ug/kg	2.83	0.881	A
Toxaphene	ND		ug/kg	28.3	7.93	A
cis-Chlordane	1.33	J	ug/kg	1.89	0.526	A
Heptachlor	0.365	J	ug/kg	0.755	0.338	B
trans-Chlordane	0.797	J	ug/kg	1.89	0.498	B
Chlordane	9.10	J	ug/kg	12.3	5.00	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/08/15 03:13
Analyst: JW

Extraction Method: EPA 3546
Extraction Date: 06/04/15 00:39
Cleanup Method: EPA 3620B
Cleanup Date: 06/04/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,06,08-11 Batch: WG790557-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	68		30-150	B
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/06/15 01:40
Analyst: KB

Extraction Method: EPA 8151A
Extraction Date: 06/05/15 01:18

Methylation Date: 06/05/15 18:22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03 Batch: WG790922-1						
Dicamba	ND		ug/kg	32.5	9.45	A
2,4-D	ND		ug/kg	162	19.7	A
2,4,5-T	ND		ug/kg	162	10.1	A
2,4,5-TP (Silvex)	ND		ug/kg	162	8.96	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	56		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 06/08/15 22:11
Analyst: KB

Extraction Method: EPA 8151A
Extraction Date: 06/05/15 17:27

Methylation Date: 06/08/15 10:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 12 Batch: WG791174-1						
2,4-D	ND		ug/l	10.0	0.544	A
2,4,5-T	ND		ug/l	2.00	0.488	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.391	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG790396-2 WG790396-3									
Delta-BHC	89		97		30-150	9		20	A
Lindane	101		108		30-150	7		20	A
Alpha-BHC	102		109		30-150	7		20	A
Beta-BHC	94		102		30-150	8		20	A
Heptachlor	105		114		30-150	8		20	A
Aldrin	105		114		30-150	8		20	A
Heptachlor epoxide	103		112		30-150	8		20	A
Endrin	123		133		30-150	8		20	A
Endrin ketone	105		118		30-150	12		20	A
Dieldrin	118		128		30-150	8		20	A
4,4'-DDE	113		122		30-150	8		20	A
4,4'-DDD	117		127		30-150	8		20	A
4,4'-DDT	129		141		30-150	9		20	A
Endosulfan I	109		118		30-150	8		20	A
Endosulfan II	115		126		30-150	9		20	A
Endosulfan sulfate	104		118		30-150	13		20	A
Methoxychlor	114		125		30-150	9		20	A
cis-Chlordane	104		113		30-150	8		20	A
trans-Chlordane	108		117		30-150	8		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG790396-2 WG790396-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		100		30-150	A
Decachlorobiphenyl	82		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	B
Decachlorobiphenyl	97		112		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 06,08-11 Batch: WG790458-2 WG790458-3									
2,4-D	87		82		30-150	6		30	A
2,4,5-T	80		82		30-150	2		30	A
2,4,5-TP (Silvex)	84		86		30-150	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		80		30-150	A
DCAA	88		88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,06,08-11 Batch: WG790557-2 WG790557-3									
Delta-BHC	86		82		30-150	5		30	A
Lindane	94		89		30-150	5		30	A
Alpha-BHC	100		92		30-150	8		30	A
Beta-BHC	116		89		30-150	26		30	A
Heptachlor	105		98		30-150	7		30	A
Aldrin	98		91		30-150	7		30	A
Heptachlor epoxide	94		89		30-150	5		30	A
Endrin	98		93		30-150	5		30	A
Endrin ketone	79		74		30-150	7		30	A
Dieldrin	99		94		30-150	5		30	A
4,4'-DDE	98		93		30-150	5		30	A
4,4'-DDD	110		104		30-150	6		30	A
4,4'-DDT	104		98		30-150	6		30	A
Endosulfan I	88		82		30-150	7		30	A
Endosulfan II	95		91		30-150	4		30	A
Endosulfan sulfate	76		71		30-150	7		30	A
Methoxychlor	91		86		30-150	6		30	A
cis-Chlordane	96		88		30-150	9		30	A
trans-Chlordane	98		91		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,06,08-11 Batch: WG790557-2 WG790557-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		78		30-150	B
Decachlorobiphenyl	82		69		30-150	B
2,4,5,6-Tetrachloro-m-xylene	86		77		30-150	A
Decachlorobiphenyl	71		65		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03 Batch: WG790922-2 WG790922-3									
Dicamba	64		47		30-150	**31**	Q	30	A
2,4-D	67		50		30-150	29		30	A
2,4,5-T	63		49		30-150	25		30	A
2,4,5-TP (Silvex)	67		50		30-150	29		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	64		47		30-150	A
DCAA	64		60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 12 Batch: WG791174-2 WG791174-3									
2,4-D	94		94		30-150	0		25	A
2,4,5-T	91		93		30-150	2		25	A
2,4,5-TP (Silvex)	94		97		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	81		91		30-150	A
DCAA	81		83		30-150	B

METALS

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-01
Client ID: SB03C_6-7
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/02/15 07:50
Date Received: 06/02/15
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/05/15 18:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	ND		mg/l	0.50	0.02	1	06/09/15 10:57	06/09/15 13:03	EPA 3015	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-01
Client ID: SB03C_6-7
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/02/15 07:50
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Lead, Total	87		mg/kg	2.3	0.09	1	06/03/15 09:32	06/04/15 16:22	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-02
Client ID: SB03E_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 85%

Date Collected: 06/02/15 07:55
Date Received: 06/02/15
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/05/15 18:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	ND		mg/l	0.50	0.02	1	06/09/15 10:57	06/09/15 13:22	EPA 3015	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-02
Client ID: SB03E_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 85%

Date Collected: 06/02/15 07:55
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Lead, Total	76		mg/kg	2.3	0.09	1	06/03/15 09:32	06/04/15 18:03	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03 Date Collected: 06/02/15 08:20

Client ID: SB03N_3-4 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4400		mg/kg	10	2.1	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	2.6	0.42	1	06/03/15 17:41	06/08/15 21:49	EPA 3050B	1,6010C	JH
Arsenic, Total	4.3		mg/kg	1.0	0.21	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Barium, Total	92		mg/kg	1.0	0.31	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Beryllium, Total	0.25	J	mg/kg	0.52	0.10	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.0	0.07	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Calcium, Total	33000		mg/kg	10	3.1	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Chromium, Total	9.8		mg/kg	1.0	0.21	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Cobalt, Total	4.6		mg/kg	2.1	0.52	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Copper, Total	26		mg/kg	1.0	0.21	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Iron, Total	12000		mg/kg	5.2	2.1	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Lead, Total	290		mg/kg	5.2	0.21	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Magnesium, Total	3000		mg/kg	10	1.0	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Manganese, Total	360		mg/kg	1.0	0.21	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Mercury, Total	1.3		mg/kg	0.09	0.02	1	06/04/15 05:20	06/09/15 12:28	EPA 7471B	1,7471B	DB
Nickel, Total	13		mg/kg	2.6	0.42	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Potassium, Total	1000		mg/kg	260	42.	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Selenium, Total	0.43	J	mg/kg	2.1	0.31	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.0	0.21	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Sodium, Total	900		mg/kg	210	31.	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.1	0.42	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Vanadium, Total	14		mg/kg	1.0	0.10	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH
Zinc, Total	60		mg/kg	5.2	0.73	2	06/03/15 17:41	06/05/15 17:38	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-04
Client ID: SB03N_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 85%

Date Collected: 06/02/15 08:10
Date Received: 06/02/15
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/05/15 18:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	ND		mg/l	0.50	0.02	1	06/09/15 10:57	06/09/15 13:26	EPA 3015	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-04
Client ID: SB03N_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 85%

Date Collected: 06/02/15 08:10
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Lead, Total	140		mg/kg	2.3	0.09	1	06/03/15 09:32	06/04/15 18:07	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-05
Client ID: SB03W_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/02/15 08:30
Date Received: 06/02/15
Field Prep: Not Specified
TCLP/SPLP Ext. Date: 06/05/15 18:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab											
Lead, TCLP	0.08	J	mg/l	0.50	0.02	1	06/09/15 11:03	06/09/15 15:22	EPA 3015	1,6010C	JH

Project Name: 440 WASHINGTON ST.
Lab Number: L1512158
Project Number: 170361501
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-05
Client ID: SB03W_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Percent Solids: 87%

Date Collected: 06/02/15 08:30
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Lead, Total	67		mg/kg	2.3	0.09	1	06/03/15 09:32	06/04/15 18:10	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06 Date Collected: 06/02/15 09:50

Client ID: SB12_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 69%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	3100		mg/kg	5.7	1.1	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Antimony, Total	0.47	J	mg/kg	2.8	0.45	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Arsenic, Total	6.0		mg/kg	0.57	0.11	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Barium, Total	54		mg/kg	0.57	0.17	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Beryllium, Total	0.22	J	mg/kg	0.28	0.06	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.57	0.04	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Calcium, Total	19000		mg/kg	5.7	1.7	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Chromium, Total	9.1		mg/kg	0.57	0.11	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Cobalt, Total	2.9		mg/kg	1.1	0.28	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Copper, Total	15		mg/kg	0.57	0.11	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Iron, Total	10000		mg/kg	2.8	1.1	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Lead, Total	110		mg/kg	2.8	0.11	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Magnesium, Total	3800		mg/kg	5.7	0.57	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Manganese, Total	200		mg/kg	0.57	0.11	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Mercury, Total	0.30		mg/kg	0.09	0.02	1	06/03/15 05:12	06/04/15 12:09	EPA 7471B	1,7471B	DB
Nickel, Total	9.5		mg/kg	1.4	0.23	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Potassium, Total	830		mg/kg	140	23.	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Selenium, Total	0.37	J	mg/kg	1.1	0.17	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.57	0.11	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Sodium, Total	590		mg/kg	110	17.	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	1.1	0.23	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.57	0.06	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH
Zinc, Total	120		mg/kg	2.8	0.40	1	06/03/15 09:32	06/04/15 18:14	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08 Date Collected: 06/02/15 10:30

Client ID: SB12_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	4700		mg/kg	4.9	0.98	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	2.5	0.39	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Arsenic, Total	2.8		mg/kg	0.49	0.10	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Barium, Total	24		mg/kg	0.49	0.15	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Beryllium, Total	0.26		mg/kg	0.25	0.05	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.49	0.03	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Calcium, Total	460		mg/kg	4.9	1.5	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Chromium, Total	10		mg/kg	0.49	0.10	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Cobalt, Total	4.5		mg/kg	0.98	0.25	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Copper, Total	7.6		mg/kg	0.49	0.10	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Iron, Total	7800		mg/kg	2.5	0.98	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Lead, Total	3.1		mg/kg	2.5	0.10	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Magnesium, Total	1300		mg/kg	4.9	0.49	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Manganese, Total	500		mg/kg	0.49	0.10	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Mercury, Total	0.04	J	mg/kg	0.08	0.02	1	06/03/15 05:12	06/04/15 12:11	EPA 7471B	1,7471B	DB
Nickel, Total	13		mg/kg	1.2	0.20	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Potassium, Total	560		mg/kg	120	20.	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.98	0.15	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.49	0.10	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Sodium, Total	170		mg/kg	98	15.	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	0.98	0.20	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Vanadium, Total	11		mg/kg	0.49	0.05	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH
Zinc, Total	13		mg/kg	2.5	0.34	1	06/03/15 09:32	06/04/15 18:37	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09 Date Collected: 06/02/15 10:50

Client ID: SB13_1-2 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2000		mg/kg	4.5	0.90	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Antimony, Total	0.50	J	mg/kg	2.3	0.36	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Arsenic, Total	5.6		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Barium, Total	68		mg/kg	0.45	0.14	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Beryllium, Total	0.16	J	mg/kg	0.23	0.05	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.45	0.03	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Calcium, Total	5600		mg/kg	4.5	1.4	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Chromium, Total	8.1		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Cobalt, Total	3.6		mg/kg	0.90	0.23	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Copper, Total	180		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Iron, Total	9700		mg/kg	2.3	0.90	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Lead, Total	230		mg/kg	2.3	0.09	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Magnesium, Total	820		mg/kg	4.5	0.45	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Manganese, Total	72		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Mercury, Total	0.42		mg/kg	0.08	0.02	1	06/03/15 05:12	06/04/15 12:13	EPA 7471B	1,7471B	DB
Nickel, Total	7.8		mg/kg	1.1	0.18	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Potassium, Total	330		mg/kg	110	18.	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.90	0.14	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Sodium, Total	280		mg/kg	90	14.	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	0.90	0.18	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Vanadium, Total	8.1		mg/kg	0.45	0.05	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH
Zinc, Total	50		mg/kg	2.3	0.32	1	06/03/15 09:32	06/04/15 18:40	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10 Date Collected: 06/02/15 00:00

Client ID: DUP01_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2800		mg/kg	4.5	0.90	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	2.2	0.36	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Arsenic, Total	3.1		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Barium, Total	29		mg/kg	0.45	0.13	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Beryllium, Total	0.22		mg/kg	0.22	0.05	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.45	0.03	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Calcium, Total	9300		mg/kg	4.5	1.3	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Chromium, Total	8.2		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Cobalt, Total	2.4		mg/kg	0.90	0.22	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Copper, Total	13		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Iron, Total	6500		mg/kg	2.2	0.90	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Lead, Total	36		mg/kg	2.2	0.09	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Magnesium, Total	3100		mg/kg	4.5	0.45	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Manganese, Total	140		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Mercury, Total	0.06	J	mg/kg	0.08	0.02	1	06/03/15 05:12	06/04/15 12:15	EPA 7471B	1,7471B	DB
Nickel, Total	6.9		mg/kg	1.1	0.18	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Potassium, Total	620		mg/kg	110	18.	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	0.90	0.13	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	0.45	0.09	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Sodium, Total	380		mg/kg	90	13.	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	0.90	0.18	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Vanadium, Total	12		mg/kg	0.45	0.05	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH
Zinc, Total	31		mg/kg	2.2	0.31	1	06/03/15 09:32	06/04/15 18:44	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11 Date Collected: 06/02/15 11:00

Client ID: SB13_14-15 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Soil

Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	9500		mg/kg	11	2.3	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Antimony, Total	ND		mg/kg	2.8	0.46	1	06/03/15 17:41	06/08/15 21:53	EPA 3050B	1,6010C	JH
Arsenic, Total	4.6		mg/kg	1.1	0.23	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Barium, Total	39		mg/kg	1.1	0.34	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Beryllium, Total	0.47	J	mg/kg	0.57	0.11	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Cadmium, Total	ND		mg/kg	1.1	0.08	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Calcium, Total	4000		mg/kg	11	3.4	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Chromium, Total	18		mg/kg	1.1	0.23	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Cobalt, Total	7.1		mg/kg	2.3	0.57	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Copper, Total	21		mg/kg	1.1	0.23	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Iron, Total	19000		mg/kg	5.7	2.3	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Lead, Total	38		mg/kg	5.7	0.23	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Magnesium, Total	4300		mg/kg	11	1.1	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Manganese, Total	440		mg/kg	1.1	0.23	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Mercury, Total	ND		mg/kg	0.10	0.02	1	06/03/15 05:12	06/04/15 12:16	EPA 7471B	1,7471B	DB
Nickel, Total	25		mg/kg	2.8	0.46	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Potassium, Total	1600		mg/kg	280	46.	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Selenium, Total	ND		mg/kg	2.3	0.34	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Silver, Total	ND		mg/kg	1.1	0.23	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Sodium, Total	670		mg/kg	230	34.	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Thallium, Total	ND		mg/kg	2.3	0.46	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Vanadium, Total	21		mg/kg	1.1	0.11	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH
Zinc, Total	36		mg/kg	5.7	0.80	2	06/03/15 17:41	06/05/15 17:42	EPA 3050B	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12 Date Collected: 06/02/15 13:40

Client ID: FB02_060215 Date Received: 06/02/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.003	J	mg/l	0.010	0.002	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.0020	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Barium, Total	ND		mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.032	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Chromium, Total	ND		mg/l	0.0050	0.0003	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.050	0.012	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Manganese, Total	ND		mg/l	0.0010	0.0003	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 19:05	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.0020	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.019	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.0010	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Sodium, Total	ND		mg/l	0.200	0.016	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/04/15 09:20	06/04/15 15:39	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 06,08-11 Batch: WG790200-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/03/15 05:12	06/04/15 11:27	1,7471B	DB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-02,04-06,08-10 Batch: WG790285-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Antimony, Total	2.5		mg/kg	2.0	0.32	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Calcium, Total	ND		mg/kg	4.0	1.2	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Iron, Total	21		mg/kg	2.0	0.80	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Manganese, Total	0.08	J	mg/kg	0.40	0.08	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/03/15 09:32	06/04/15 16:00	1,6010C	JH

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03,11 Batch: WG790477-1										
Aluminum, Total	ND		mg/kg	4.0	0.80	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Antimony, Total	ND		mg/kg	2.0	0.32	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Arsenic, Total	ND		mg/kg	0.40	0.08	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Barium, Total	ND		mg/kg	0.40	0.12	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Beryllium, Total	ND		mg/kg	0.20	0.04	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Cadmium, Total	ND		mg/kg	0.40	0.03	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Calcium, Total	1.8	J	mg/kg	4.0	1.2	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Chromium, Total	ND		mg/kg	0.40	0.08	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Cobalt, Total	ND		mg/kg	0.80	0.20	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Copper, Total	ND		mg/kg	0.40	0.08	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Iron, Total	ND		mg/kg	2.0	0.80	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Lead, Total	ND		mg/kg	2.0	0.08	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Magnesium, Total	ND		mg/kg	4.0	0.40	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Manganese, Total	ND		mg/kg	0.40	0.08	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Nickel, Total	ND		mg/kg	1.0	0.16	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Potassium, Total	ND		mg/kg	100	16.	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Selenium, Total	ND		mg/kg	0.80	0.12	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Silver, Total	ND		mg/kg	0.40	0.08	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Sodium, Total	ND		mg/kg	80	12.	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Thallium, Total	ND		mg/kg	0.80	0.16	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Vanadium, Total	ND		mg/kg	0.40	0.04	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH
Zinc, Total	ND		mg/kg	2.0	0.28	1	06/03/15 17:41	06/05/15 16:40	1,6010C	JH

Prep Information

Digestion Method: EPA 3050B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 12 Batch: WG790564-1										
Aluminum, Total	0.008	J	mg/l	0.010	0.002	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Antimony, Total	0.0002	J	mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Barium, Total	ND		mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Calcium, Total	ND		mg/l	0.100	0.032	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Chromium, Total	0.003	J	mg/l	0.0050	0.0003	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Cobalt, Total	ND		mg/l	0.0002	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Copper, Total	ND		mg/l	0.0010	0.0003	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Iron, Total	0.013	J	mg/l	0.050	0.012	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Manganese, Total	0.0003	J	mg/l	0.0010	0.0003	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Nickel, Total	0.0013	J	mg/l	0.0020	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.019	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Silver, Total	0.0003	J	mg/l	0.0010	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Sodium, Total	0.153	J	mg/l	0.200	0.016	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/04/15 09:20	06/04/15 14:06	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 03 Batch: WG790591-1										
Mercury, Total	ND		mg/kg	0.08	0.02	1	06/04/15 05:20	06/09/15 12:14	1,7471B	DB

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512158

Project Number: 170361501 **Report Date:** 06/12/15

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 12 Batch: WG790631-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 18:52	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 01-02,04 Batch: WG791771-1										
Lead, TCLP	ND		mg/l	0.50	0.02	1	06/09/15 10:57	06/09/15 12:55	1,6010C	JH

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 06/05/15 18:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Westborough Lab for sample(s): 05 Batch: WG791772-1										
Lead, TCLP	ND		mg/l	0.50	0.02	1	06/09/15 11:03	06/09/15 14:40	1,6010C	JH

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 06/05/15 18:33

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06,08-11 Batch: WG790200-2 SRM Lot Number: D088-540								
Mercury, Total	118		-		72-128	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04-06,08-10 Batch: WG790285-2 SRM Lot Number: D088-540					
Aluminum, Total	82	-	48-151	-	
Antimony, Total	178	-	1-208	-	
Arsenic, Total	105	-	79-121	-	
Barium, Total	94	-	83-117	-	
Beryllium, Total	99	-	83-117	-	
Cadmium, Total	95	-	83-117	-	
Calcium, Total	89	-	81-119	-	
Chromium, Total	92	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	98	-	81-118	-	
Iron, Total	103	-	45-155	-	
Lead, Total	92	-	81-117	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	93	-	81-118	-	
Nickel, Total	95	-	83-117	-	
Potassium, Total	89	-	71-129	-	
Selenium, Total	102	-	78-122	-	
Silver, Total	98	-	75-124	-	
Sodium, Total	94	-	72-127	-	
Thallium, Total	95	-	80-120	-	
Vanadium, Total	96	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04-06,08-10 Batch: WG790285-2 SRM Lot Number: D088-540					
Zinc, Total	97	-	82-118	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,11 Batch: WG790477-2 SRM Lot Number: D088-540					
Aluminum, Total	74	-	48-151	-	
Antimony, Total	150	-	1-208	-	
Arsenic, Total	86	-	79-121	-	
Barium, Total	83	-	83-117	-	
Beryllium, Total	86	-	83-117	-	
Cadmium, Total	99	-	83-117	-	
Calcium, Total	90	-	81-119	-	
Chromium, Total	82	-	80-120	-	
Cobalt, Total	92	-	84-115	-	
Copper, Total	82	-	81-118	-	
Iron, Total	82	-	45-155	-	
Lead, Total	93	-	81-117	-	
Magnesium, Total	78	-	76-124	-	
Manganese, Total	86	-	81-118	-	
Nickel, Total	98	-	83-117	-	
Potassium, Total	86	-	71-129	-	
Selenium, Total	86	-	78-122	-	
Silver, Total	86	-	75-124	-	
Sodium, Total	86	-	72-127	-	
Thallium, Total	80	-	80-120	-	
Vanadium, Total	82	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,11 Batch: WG790477-2 SRM Lot Number: D088-540					
Zinc, Total	97	-	82-118	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 Batch: WG790564-2						
Aluminum, Total	94		-	80-120	-	
Antimony, Total	109		-	80-120	-	
Arsenic, Total	102		-	80-120	-	
Barium, Total	104		-	80-120	-	
Beryllium, Total	107		-	80-120	-	
Cadmium, Total	**124**	Q	-	80-120	-	
Calcium, Total	90		-	80-120	-	
Chromium, Total	99		-	80-120	-	
Cobalt, Total	104		-	80-120	-	
Copper, Total	102		-	80-120	-	
Iron, Total	100		-	80-120	-	
Lead, Total	110		-	80-120	-	
Magnesium, Total	100		-	80-120	-	
Manganese, Total	97		-	80-120	-	
Nickel, Total	103		-	80-120	-	
Potassium, Total	102		-	80-120	-	
Selenium, Total	99		-	80-120	-	
Silver, Total	106		-	80-120	-	
Sodium, Total	100		-	80-120	-	
Thallium, Total	108		-	80-120	-	
Vanadium, Total	106		-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 Batch: WG790564-2					
Zinc, Total	110	-	80-120	-	
Total Metals - Westborough Lab Associated sample(s): 03 Batch: WG790591-2 SRM Lot Number: D088-540					
Mercury, Total	115	-	72-128	-	
Total Metals - Westborough Lab Associated sample(s): 12 Batch: WG790631-2					
Mercury, Total	112	-	80-120	-	
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,04 Batch: WG791771-2					
Lead, TCLP	98	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 05 Batch: WG791772-2					
Lead, TCLP	98	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06,08-11 QC Batch ID: WG790200-4 QC Sample: L1512080-01 Client ID: MS Sample												
Mercury, Total	1.6	0.152	1.7	**66**	Q	-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04-06,08-10 QC Batch ID: WG790285-4 QC Sample: L1512158-01 Client ID: SB03C_6-7										
Aluminum, Total	5300	182	5600	**164**	Q	-	-	75-125	-	20
Antimony, Total	0.56JB	45.6	46	101		-	-	75-125	-	20
Arsenic, Total	6.2	11	18	108		-	-	75-125	-	20
Barium, Total	58.	182	240	100		-	-	75-125	-	20
Beryllium, Total	0.22J	4.56	4.7	103		-	-	75-125	-	20
Cadmium, Total	0.18J	4.66	5.0	107		-	-	75-125	-	20
Calcium, Total	47000	913	49000	**219**	Q	-	-	75-125	-	20
Chromium, Total	20.	18.2	32	**66**	Q	-	-	75-125	-	20
Cobalt, Total	2.7	45.6	46	95		-	-	75-125	-	20
Copper, Total	13.	22.8	35	96		-	-	75-125	-	20
Iron, Total	9700	91.3	13000	**3610**	Q	-	-	75-125	-	20
Lead, Total	87.	46.6	150	**135**	Q	-	-	75-125	-	20
Magnesium, Total	3600	913	4200	**66**	Q	-	-	75-125	-	20
Manganese, Total	180	45.6	300	**263**	Q	-	-	75-125	-	20
Nickel, Total	8.8	45.6	55	101		-	-	75-125	-	20
Potassium, Total	1000	913	1700	77		-	-	75-125	-	20
Selenium, Total	ND	11	11	100		-	-	75-125	-	20
Silver, Total	ND	27.4	30	110		-	-	75-125	-	20
Sodium, Total	1400	913	2200	88		-	-	75-125	-	20
Thallium, Total	ND	11	8.6	78		-	-	75-125	-	20
Vanadium, Total	12.	45.6	60	105		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-02,04-06,08-10 QC Batch ID: WG790285-4 QC Sample: L1512158-01 Client ID: SB03C_6-7										
Zinc, Total	150	45.6	260	**241**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,11 QC Batch ID: WG790477-4 QC Sample: L1512159-02 Client ID: MS Sample										
Aluminum, Total	7500	189	7700	106		-	-	75-125	-	20
Antimony, Total	ND	47.3	37	78		-	-	75-125	-	20
Arsenic, Total	3.7	11.4	12	**73**	Q	-	-	75-125	-	20
Barium, Total	41.	189	200	84		-	-	75-125	-	20
Beryllium, Total	0.39J	4.73	4.4	93		-	-	75-125	-	20
Cadmium, Total	ND	4.83	3.7	77		-	-	75-125	-	20
Calcium, Total	800	947	1600	84		-	-	75-125	-	20
Chromium, Total	28.	18.9	46	95		-	-	75-125	-	20
Cobalt, Total	15.	47.3	53	80		-	-	75-125	-	20
Copper, Total	14.	23.7	38	101		-	-	75-125	-	20
Iron, Total	16000	94.7	16000	**0**	Q	-	-	75-125	-	20
Lead, Total	6.8	48.3	45	79		-	-	75-125	-	20
Magnesium, Total	13000	947	18000	**528**	Q	-	-	75-125	-	20
Manganese, Total	320	47.3	370	106		-	-	75-125	-	20
Nickel, Total	330	47.3	510	**380**	Q	-	-	75-125	-	20
Potassium, Total	530	947	1400	92		-	-	75-125	-	20
Selenium, Total	ND	11.4	9.6	84		-	-	75-125	-	20
Silver, Total	ND	28.4	27	95		-	-	75-125	-	20
Sodium, Total	80.J	947	930	98		-	-	75-125	-	20
Thallium, Total	ND	11.4	7.4	**65**	Q	-	-	75-125	-	20
Vanadium, Total	20.	47.3	59	82		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,11 QC Batch ID: WG790477-4 QC Sample: L1512159-02 Client ID: MS Sample									
Zinc, Total	34.	47.3	73	82	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790564-4 QC Sample: L1512306-01 Client ID: MS Sample										
Aluminum, Total	0.019J	2	1.95	98		-	-	75-125	-	20
Antimony, Total	0.0042J	0.5	0.5268	105		-	-	75-125	-	20
Arsenic, Total	0.0020J	0.12	0.1336	111		-	-	75-125	-	20
Barium, Total	0.4150	2	2.402	99		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0644	**129**	Q	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.0641	**126**	Q	-	-	75-125	-	20
Calcium, Total	270.	10	312	**420**	Q	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.2026	101		-	-	75-125	-	20
Cobalt, Total	0.0126	0.5	0.5158	101		-	-	75-125	-	20
Copper, Total	ND	0.25	0.2517	101		-	-	75-125	-	20
Iron, Total	19.4	1	20.7	**130**	Q	-	-	75-125	-	20
Lead, Total	ND	0.51	0.5393	106		-	-	75-125	-	20
Magnesium, Total	46.2	10	55.1	89		-	-	75-125	-	20
Manganese, Total	43.12	0.5	48.22	**1020**	Q	-	-	75-125	-	20
Nickel, Total	0.0128J	0.5	0.5232	105		-	-	75-125	-	20
Potassium, Total	6.06	10	15.8	97		-	-	75-125	-	20
Selenium, Total	ND	0.12	0.113	94		-	-	75-125	-	20
Silver, Total	ND	0.05	0.0517	103		-	-	75-125	-	20
Sodium, Total	79.2	10	82.4	**32**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1278	106		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5027	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790564-4 QC Sample: L1512306-01 Client ID: MS Sample										
Zinc, Total	0.1412	0.5	0.6805	108		-	-	75-125	-	20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG790591-4 QC Sample: L1512133-07 Client ID: MS Sample										
Mercury, Total	0.04J	0.18	0.28	**156**	Q	-	-	80-120	-	20
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790631-4 QC Sample: L1511963-04 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.00520	104		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,04 QC Batch ID: WG791771-4 QC Sample: L1512158-01 Client ID: SB03C_6-7										
Lead, TCLP	ND	5.1	4.9	96		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 05 QC Batch ID: WG791772-4 QC Sample: L1512158-05 Client ID: SB03W_4-5										
Lead, TCLP	0.08J	5.1	5.1	100		-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 06,08-11 QC Batch ID: WG790200-3 QC Sample: L1512080-01 Client ID: DUP Sample						
Mercury, Total	1.6	1.4	mg/kg	13		20
Total Metals - Westborough Lab Associated sample(s): 01-02,04-06,08-10 QC Batch ID: WG790285-3 QC Sample: L1512158-01 Client ID: SB03C_6-7						
Lead, Total	87.	120	mg/kg	**32**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,11 QC Batch ID: WG790477-3 QC Sample: L1512159-02 Client ID: DUP Sample						
Aluminum, Total	7500	8600	mg/kg	14		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	3.7	3.6	mg/kg	3		20
Barium, Total	41.	44	mg/kg	7		20
Beryllium, Total	0.39J	0.42J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	800	840	mg/kg	5		20
Chromium, Total	28.	23	mg/kg	20		20
Cobalt, Total	15.	9.4	mg/kg	**46**	Q	20
Copper, Total	14.	15	mg/kg	7		20
Iron, Total	16000	14000	mg/kg	13		20
Lead, Total	6.8	8.4	mg/kg	**21**	Q	20
Magnesium, Total	13000	7300	mg/kg	**56**	Q	20
Manganese, Total	320	260	mg/kg	**21**	Q	20
Nickel, Total	330	170	mg/kg	**64**	Q	20
Potassium, Total	530	530	mg/kg	0		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	80.J	73J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 03,11 QC Batch ID: WG790477-3 QC Sample: L1512159-02 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	20.	22	mg/kg	10	20
Zinc, Total	34.	36	mg/kg	6	20
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790564-3 QC Sample: L1512306-01 Client ID: DUP Sample					
Iron, Total	19.4	20.1	mg/l	4	20
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790564-3 QC Sample: L1512306-01 Client ID: DUP Sample					
Manganese, Total	43.12	42.91	mg/l	0	20
Total Metals - Westborough Lab Associated sample(s): 03 QC Batch ID: WG790591-3 QC Sample: L1512133-07 Client ID: DUP Sample					
Mercury, Total	0.04J	0.04J	mg/kg	NC	20
Total Metals - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790631-3 QC Sample: L1511963-04 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 01-02,04 QC Batch ID: WG791771-3 QC Sample: L1512158-01 Client ID: SB03C_6-7					
Lead, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Westborough Lab Associated sample(s): 05 QC Batch ID: WG791772-3 QC Sample: L1512158-05 Client ID: SB03W_4-5					
Lead, TCLP	0.08J	0.07J	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-01
Client ID: SB03C_6-7
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 07:50
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-02
Client ID: SB03E_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 07:55
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-03
Client ID: SB03N_3-4
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 08:20
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	9.5	J	mg/kg	1.1	1.1	1	-	06/05/15 17:38	107,-	
Solids, Total	73.8		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.3	0.29	1	06/04/15 11:24	06/04/15 15:26	1,9010C/9012B	JO
Chromium, Hexavalent	0.26	J	mg/kg	1.1	0.22	1	06/03/15 12:35	06/04/15 15:32	1,7196A	JT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-04
Client ID: SB03N_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 08:10
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-05
Client ID: SB03W_4-5
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 08:30
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-06
Client ID: SB12_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 09:50
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	9.1		mg/kg	1.2	1.2	1	-	06/04/15 18:14	107,-	
Solids, Total	68.7		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.32	1	06/03/15 07:59	06/03/15 13:45	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.2	0.23	1	06/03/15 12:35	06/04/15 15:32	1,7196A	JT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-08
Client ID: SB12_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 10:30
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	10		mg/kg	0.99	0.99	1	-	06/04/15 18:37	107,-	
Solids, Total	81.1		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.2	0.28	1	06/03/15 07:59	06/03/15 13:47	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.99	0.20	1	06/03/15 12:35	06/04/15 15:32	1,7196A	JT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-09
Client ID: SB13_1-2
Sample Location: 440 WASHINGTON ST.
Matrix: Soil
Date Collected: 06/02/15 10:50
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	7.8	J	mg/kg	0.92	0.92	1	-	06/04/15 18:40	107,-	
Solids, Total	87.1		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.26	1	06/03/15 07:59	06/03/15 13:48	1,9010C/9012B	JO
Chromium, Hexavalent	0.28	J	mg/kg	0.92	0.18	1	06/03/15 12:35	06/04/15 15:38	1,7196A	JT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-10
Client ID: DUP01_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 00:00
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	8.2		mg/kg	0.90	0.90	1	-	06/04/15 18:44	107,-	
Solids, Total	88.9		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.1	0.25	1	06/03/15 07:59	06/03/15 14:08	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	0.90	0.18	1	06/03/15 12:35	06/04/15 15:38	1,7196A	JT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-11
Client ID: SB13_14-15
Sample Location: 440 WASHINGTON ST.
Matrix: Soil

Date Collected: 06/02/15 11:00
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	18		mg/kg	1.2	1.2	1	-	06/05/15 17:42	107,-	
Solids, Total	67.3		%	0.100	NA	1	-	06/03/15 19:46	30,2540G	RT
Cyanide, Total	ND		mg/kg	1.4	0.32	1	06/03/15 07:59	06/03/15 14:09	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/kg	1.2	0.24	1	06/03/15 12:35	06/04/15 15:39	1,7196A	JT

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

SAMPLE RESULTS

Lab ID: L1512158-12
Client ID: FB02_060215
Sample Location: 440 WASHINGTON ST.
Matrix: Water

Date Collected: 06/02/15 13:40
Date Received: 06/02/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Trivalent	ND		mg/l	0.010	0.010	1	-	06/04/15 15:39	107,-	
Cyanide, Total	0.003	J	mg/l	0.005	0.001	1	06/04/15 09:32	06/04/15 13:45	1,9010C/9012B	JO
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/03/15 04:00	06/03/15 04:13	1,7196A	LH

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512158
Report Date: 06/12/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 06,08-11 Batch: WG790234-1										
Cyanide, Total	ND		mg/kg	0.85	0.20	1	06/03/15 07:59	06/03/15 13:34	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 03,06,08-11 Batch: WG790411-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	06/03/15 12:35	06/04/15 15:29	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG790539-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/03/15 04:00	06/03/15 04:13	1,7196A	LH
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG790624-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	06/04/15 09:32	06/04/15 13:41	1,9010C/9012B	JO
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG790626-1										
Cyanide, Total	ND		mg/kg	0.87	0.20	1	06/04/15 11:24	06/04/15 15:23	1,9010C/9012B	JO

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512158

Report Date: 06/12/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06,08-11 Batch: WG790234-2 WG790234-3								
Cyanide, Total	108		98		80-120	9		35
General Chemistry - Westborough Lab Associated sample(s): 03,06,08-11 Batch: WG790411-2								
Chromium, Hexavalent	80		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG790539-2								
Chromium, Hexavalent	98		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG790624-2 WG790624-3								
Cyanide, Total	106		104		80-120	2		20
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG790626-2 WG790626-3								
Cyanide, Total	**121**	Q	112		80-120	6		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 06,08-11 QC Batch ID: WG790234-4 WG790234-5 QC Sample: L1512158-06 Client ID: SB12_1-2												
Cyanide, Total	ND	14	14	100		13	95		65-135	7		35
General Chemistry - Westborough Lab Associated sample(s): 03,06,08-11 QC Batch ID: WG790411-4 QC Sample: L1512158-06 Client ID: SB12_1-2												
Chromium, Hexavalent	ND	1360	1300	95		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790539-4 QC Sample: L1512158-12 Client ID: FB02_060215												
Chromium, Hexavalent	ND	0.1	0.098	98		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790624-4 WG790624-5 QC Sample: L1512316-03 Client ID: MS Sample												
Cyanide, Total	0.001J	0.2	0.199	100		0.198	99		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG790626-4 WG790626-5 QC Sample: L1512158-03 Client ID: SB03N_3-4												
Cyanide, Total	ND	13	13	97		11	83		65-135	17		35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03,06,08-11 QC Batch ID: WG790411-6 QC Sample: L1512158-06 Client ID: SB12_1-2						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-06,08-11 QC Batch ID: WG790515-1 QC Sample: L1511953-01 Client ID: DUP Sample						
Solids, Total	83.8	83.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG790539-3 QC Sample: L1512158-12 Client ID: FB02_060215						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: 06/03/2015 01:51

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512158-01A	Glass 250ml/8oz unpreserved	B	N/A	2.6	Y	Absent	TS(7),PB-TI(180)
L1512158-01X	Plastic 120ml HNO3 preserved spl	B	<2	2.6	Y	Absent	PB-CI(180)
L1512158-01X9	Tumble Vessel	B	N/A	2.6	Y	Absent	-
L1512158-02A	Glass 250ml/8oz unpreserved	B	N/A	2.6	Y	Absent	TS(7),PB-TI(180)
L1512158-02X	Plastic 120ml HNO3 preserved spl	B	<2	2.6	Y	Absent	PB-CI(180)
L1512158-02X9	Tumble Vessel	B	N/A	2.6	Y	Absent	-
L1512158-03A	Vial MeOH preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-03B	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-03C	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-03D	Plastic 2oz unpreserved for TS	B	N/A	2.6	Y	Absent	TS(7)
L1512158-03E	Glass 500ml/16oz unpreserved	B	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),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),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512158-04A	Glass 250ml/8oz unpreserved	B	N/A	2.6	Y	Absent	TS(7),PB-TI(180)
L1512158-04X	Plastic 120ml HNO3 preserved spl	B	<2	2.6	Y	Absent	PB-CI(180)
L1512158-04X9	Tumble Vessel	B	N/A	2.6	Y	Absent	-
L1512158-05A	Glass 250ml/8oz unpreserved	B	N/A	2.6	Y	Absent	TS(7),PB-TI(180)
L1512158-05X	Plastic 120ml HNO3 preserved spl	B	<2	2.6	Y	Absent	PB-CI(180)
L1512158-05X9	Tumble Vessel	B	N/A	2.6	Y	Absent	-
L1512158-06A	Vial MeOH preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512158-06B	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-06C	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-06D	Plastic 2oz unpreserved for TS	B	N/A	2.6	Y	Absent	TS(7)
L1512158-06E	Glass 500ml/16oz unpreserved	B	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512158-07A	Vial MeOH preserved	B	N/A	2.6	Y	Absent	HOLD-8260HLW(14)
L1512158-07B	Vial water preserved	B	N/A	2.6	Y	Absent	HOLD-8260HLW(14)
L1512158-07C	Vial water preserved	B	N/A	2.6	Y	Absent	HOLD-8260HLW(14)
L1512158-07D	Plastic 2oz unpreserved for TS	B	N/A	2.6	Y	Absent	HOLD-WETCHEM()
L1512158-07E	Glass 500ml/16oz unpreserved	B	N/A	2.6	Y	Absent	HOLD-8081(14),HOLD-8270(14),HOLD-METAL(180),HOLD-8082()
L1512158-08A	Vial MeOH preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-08B	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-08C	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-08D	Plastic 2oz unpreserved for TS	B	N/A	2.6	Y	Absent	TS(7)
L1512158-08E	Glass 500ml/16oz unpreserved	B	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512158-09A	Vial MeOH preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-09B	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-09C	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-09D	Plastic 2oz unpreserved for TS	B	N/A	2.6	Y	Absent	TS(7)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512158-09E	Glass 500ml/16oz unpreserved	B	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512158-10A	Vial MeOH preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-10B	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-10C	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-10D	Plastic 2oz unpreserved for TS	B	N/A	2.6	Y	Absent	TS(7)
L1512158-10E	Glass 500ml/16oz unpreserved	B	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512158-11A	Vial MeOH preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-11B	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-11C	Vial water preserved	B	N/A	2.6	Y	Absent	NYTCL-8260HLW(14)
L1512158-11D	Plastic 2oz unpreserved for TS	B	N/A	2.6	Y	Absent	TS(7)
L1512158-11E	Glass 500ml/16oz unpreserved	B	N/A	2.6	Y	Absent	BE-TI(180),NYTCL-8270(14),TCN-9010(14),AS-TI(180),BA-TI(180),AG-TI(180),HERB-APA(14),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),TRICR-CALC(30),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),NYTCL-8081(14),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),NYTCL-8082(14),CA-TI(180),CD-TI(180),HEXCR-7196(30),K-TI(180),NA-TI(180)
L1512158-12A	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512158
Report Date: 06/12/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512158-12B	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1512158-12C	Vial HCl preserved	A	N/A	3.8	Y	Absent	NYTCL-8260(14)
L1512158-12D	Plastic 250ml HNO3 preserved	A	<2	3.8	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1512158-12E	Plastic 250ml unpreserved	A	7	3.8	Y	Absent	HEXCR-7196(1)
L1512158-12F	Amber 1000ml unpreserved	A	7	3.8	Y	Absent	NYTCL-8082-1200ML(7)
L1512158-12G	Amber 1000ml unpreserved	A	7	3.8	Y	Absent	NYTCL-8082-1200ML(7)
L1512158-12H	Amber 500ml unpreserved	A	7	3.8	Y	Absent	NYTCL-8081(7)
L1512158-12I	Amber 500ml unpreserved	A	7	3.8	Y	Absent	NYTCL-8081(7)
L1512158-12J	Amber 1000ml unpreserved	A	7	3.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512158-12K	Amber 1000ml unpreserved	A	7	3.8	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512158-12L	Amber 1000ml unpreserved	A	7	3.8	Y	Absent	HERB-APA(7)
L1512158-12M	Amber 1000ml unpreserved	A	7	3.8	Y	Absent	HERB-APA(7)
L1512158-12N	Plastic 250ml NaOH preserved	A	>12	3.8	Y	Absent	TCN-9010(14)
L1512158-13A	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1512158-13B	Vial HCl preserved	B	N/A	2.6	Y	Absent	NYTCL-8260(14)

Container Comments

L1512158-01A

L1512158-02A

L1512158-03E

L1512158-04A

L1512158-05A

L1512158-06E

L1512158-08E

L1512158-09E

L1512158-10E

L1512158-11E

*Values in parentheses indicate holding time in days

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512158
Project Number:	170361501	**Report Date:**	06/12/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
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.

Footnotes

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

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512158
Project Number:	170361501	**Report Date:**	06/12/15

Data Qualifiers

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:	440 WASHINGTON ST.	**Lab Number:**	L1512158
Project Number:	170361501	**Report Date:**	06/12/15

REFERENCES

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

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

107 Alpha Analytical - In-house calculation method.

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

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

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 6/3/15

ALPHA Job #: L1512158

Client Information

Client: LANGAN
Address: 21 Penn Plaza
8th Floor Manhattan
Phone: 516
Fax:
Email: dcarns@langan.com

Project Information

Project Name: 440 Washington St
Project Location: 440 Washington St
Project #: 170363501
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ **Done**
☐ **Lab to do**
Preservation
☐ **Lab to do**
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP Pb, total Pb	TCVOCs, SVOCs, Pest PCB, Pest 3535	TAL metals	Cr III, Cr VI, Cn					Sample Specific Comments	Total Bottle
12158-01	SB03C-6-7	06/02	750			X									
02	SB03E-4-5		755			X									
03	SB03N-3-4		820			—	—	—	—	—	—	—	—	HOLD	
04	SB03N-4-5		810			X									
05	SB03W-4-5		830			X									
06	SB121-2		950				X	X	X						
07	SB12-9-10		1000				—	—	—	—	—	—	—	HOLD	
08	SB12-14-15		1030				X	X	X						
09	SB13-1-2		1050				X	X	X						
10	DUP01-060215	X	—				X	X	X						

Container Type
Preservative

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
	6/2 1635		6/2 1635
	6-2-15 1840		6-2-15 1840
	6/3/15 0045		6/3/15 0045

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 2

Date Rec'd in Lab: 6/3/15

ALPHA Job #: L1512158

Client Information
Client: LANGLAW
Address: 21 Penn Plaza 9th Fl, Manhattan
Phone:
Fax:
Email: dcarus@langan.com

Project Information
Project Name: 460 Washington St
Project Location: 17036350
Project #
(Use Project name as Project #) ☐
Project Manager: Brian Goetzman
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☐ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs	TCL VOCs, SVOCs (Pest PCB Part 375 list)	TAL metal	Cr III, Cr VI, Cn					Sample Specific Comments	Total Bottle
L1512158-11	SB13_14-15	6/2	1100	S	DH		x	x	x						
12	FB02-060215	6/2	1340	S	DH		x	x	x						
13	TB01_060215	—	—	W	DH	x									
~~FB02_060215~~		—	—	W	—	x									

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
	6/2/15		
	6/2/15 1940		6-2-15 1840
	6/3/15 0815		6/3/15 0815

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1512315
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brian Gochenaur
Phone:	(212) 479-5590
Project Name:	440 WASHINGTON ST.
Project Number:	170361501
Report Date:	06/10/15

Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

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

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1512315-01	MW01_060315	WATER	440 WASHINGTON ST.	06/03/15 10:00	06/03/15
L1512315-02	MW02_060315	WATER	440 WASHINGTON ST.	06/03/15 13:25	06/03/15
L1512315-03	MW03_060315	WATER	440 WASHINGTON ST.	06/03/15 12:50	06/03/15
L1512315-04	MW04_060315	WATER	440 WASHINGTON ST.	06/03/15 15:25	06/03/15
L1512315-05	TB01_060315	WATER	440 WASHINGTON ST.	06/03/15 00:00	06/03/15
L1512315-06	TB02_060315	WATER	440 WASHINGTON ST.	06/03/15 00:00	06/03/15
L1512315-07	FB01_060315	WATER	440 WASHINGTON ST.	06/03/15 10:45	06/03/15
L1512315-08	DUP01_060315	WATER	440 WASHINGTON ST.	06/03/15 00:00	06/03/15

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315
Project Number: 170361501 **Report Date:** 06/10/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315
Project Number: 170361501 **Report Date:** 06/10/15

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

Sample L1512315-07 and -08 were received without the containers for the Dissolved and Total Metals, respectively. An aliquot was split out and preserved appropriately.

The collection dates for samples L1512315-05 and -06 were obtained from the sample containers.

Total Metals

The WG791918-4 MS recoveries for calcium (0%), magnesium (30%), potassium (52%), and sodium (0%), performed on L1512315-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG791918-3 Laboratory Duplicate RPDs, performed on L1512315-01, are above the acceptance criteria for aluminum (21%) and iron (35%); however, the sample and duplicate results are less than five times the reporting limit. Therefore, the RPD is valid.

Dissolved Metals

The WG791560-4 MS recoveries for sodium (150%) calcium (0%), and potassium (68%), performed on L1512315-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG791560-4 MS recovery, performed on L1512315-01, is outside the acceptance criteria for selenium (142%). 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: Lisa Westerlind

Title: Technical Director/Representative Date: 06/10/15

ORGANICS

VOLATILES

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512315
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01
Client ID: MW01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 12:30
Analyst: PD

Date Collected: 06/03/15 10:00
Date Received: 06/03/15
Field Prep: None

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	0.13	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	0.14	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	2.1	J	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01 Date Collected: 06/03/15 10:00

Client ID: MW01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.6	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	1.4	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01 Date Collected: 06/03/15 10:00

Client ID: MW01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	110		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02
Client ID: MW02_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 13:00
Analyst: PD

Date Collected: 06/03/15 13:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02 Date Collected: 06/03/15 13:25

Client ID: MW02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02 Date Collected: 06/03/15 13:25

Client ID: MW02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	95		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03
Client ID: MW03_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 13:30
Analyst: PD

Date Collected: 06/03/15 12:50
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03 Date Collected: 06/03/15 12:50

Client ID: MW03_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03 Date Collected: 06/03/15 12:50

Client ID: MW03_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	97		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	108		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04
Client ID: MW04_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 14:00
Analyst: PD

Date Collected: 06/03/15 15:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04 Date Collected: 06/03/15 15:25

Client ID: MW04_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.8		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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04 Date Collected: 06/03/15 15:25

Client ID: MW04_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	98		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	110		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-05
Client ID: TB01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 11:30
Analyst: PD

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-05 Date Collected: 06/03/15 00:00

Client ID: TB01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-05 Date Collected: 06/03/15 00:00

Client ID: TB01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-06
Client ID: TB02_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 12:00
Analyst: PD

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: Not Specified

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-06 Date Collected: 06/03/15 00:00

Client ID: TB02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-06 Date Collected: 06/03/15 00:00

Client ID: TB02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	108		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07
Client ID: FB01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 17:19
Analyst: PD

Date Collected: 06/03/15 10:45
Date Received: 06/03/15
Field Prep: None

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07 Date Collected: 06/03/15 10:45

Client ID: FB01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07 Date Collected: 06/03/15 10:45

Client ID: FB01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	117		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08
Client ID: DUP01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 06/08/15 17:46
Analyst: PD

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: None

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	0.13	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	0.14	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	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08 Date Collected: 06/03/15 00:00

Client ID: DUP01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
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	1.4	J	ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08 Date Collected: 06/03/15 00:00

Client ID: DUP01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	41.	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	0.65	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	117		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/15 10:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG791608-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
2-Chloroethylvinyl ether	ND		ug/l	10	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-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	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/15 10:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG791608-3					
Trichloroethene	ND		ug/l	0.50	0.18
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
Diisopropyl Ether	ND		ug/l	2.0	0.65
Tert-Butyl Alcohol	ND		ug/l	10	0.90
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
Acrolein	ND		ug/l	5.0	0.63
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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/15 10:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG791608-3					
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
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
Methyl Acetate	ND		ug/l	2.0	0.23
Ethyl Acetate	ND		ug/l	10	0.70
Cyclohexane	ND		ug/l	10	0.27
Ethyl-Tert-Butyl-Ether	ND		ug/l	2.5	0.70
Tertiary-Amyl Methyl Ether	ND		ug/l	2.0	0.28
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
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	0.65
Tetrahydrofuran	ND		ug/l	5.0	1.5
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/15 10:22
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG791608-3					
Iodomethane	ND		ug/l	5.0	5.0
Methyl cyclohexane	ND		ug/l	10	0.40

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/15 11:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG791611-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-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	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/15 11:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG791611-3					
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: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/08/15 11:00
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG791611-3					
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	41.
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	0.65
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG791608-1 WG791608-2								
Methylene chloride	103		108		70-130	5		20
1,1-Dichloroethane	114		118		70-130	3		20
Chloroform	110		114		70-130	4		20
2-Chloroethylvinyl ether	107		115		70-130	7		20
Carbon tetrachloride	94		100		63-132	6		20
1,2-Dichloropropane	116		119		70-130	3		20
Dibromochloromethane	92		94		63-130	2		20
1,1,2-Trichloroethane	106		108		70-130	2		20
Tetrachloroethene	88		91		70-130	3		20
Chlorobenzene	96		98		75-130	2		20
Trichlorofluoromethane	127		134		62-150	5		20
1,2-Dichloroethane	122		128		70-130	5		20
1,1,1-Trichloroethane	102		106		67-130	4		20
Bromodichloromethane	109		114		67-130	4		20
trans-1,3-Dichloropropene	101		102		70-130	1		20
cis-1,3-Dichloropropene	105		109		70-130	4		20
1,1-Dichloropropene	104		108		70-130	4		20
Bromoform	86		91		54-136	6		20
1,1,2,2-Tetrachloroethane	105		112		67-130	6		20
Benzene	105		109		70-130	4		20
Toluene	96		97		70-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG791608-1 WG791608-2								
Ethylbenzene	98		101		70-130	3		20
Chloromethane	**136**	Q	**137**	Q	64-130	1		20
Bromomethane	**174**	Q	**180**	Q	39-139	3		20
Vinyl chloride	120		126		55-140	5		20
Chloroethane	**145**	Q	**154**	Q	55-138	6		20
1,1-Dichloroethene	98		103		61-145	5		20
trans-1,2-Dichloroethene	100		104		70-130	4		20
Trichloroethene	104		105		70-130	1		20
1,2-Dichlorobenzene	94		99		70-130	5		20
1,3-Dichlorobenzene	92		96		70-130	4		20
1,4-Dichlorobenzene	92		96		70-130	4		20
Methyl tert butyl ether	102		108		63-130	6		20
p/m-Xylene	95		98		70-130	3		20
o-Xylene	96		98		70-130	2		20
cis-1,2-Dichloroethene	103		107		70-130	4		20
Dibromomethane	111		117		70-130	5		20
1,2,3-Trichloropropane	106		113		64-130	6		20
Acrylonitrile	125		128		70-130	2		20
Diisopropyl Ether	126		**132**	Q	70-130	5		20
Tert-Butyl Alcohol	103		118		70-130	14		20
Styrene	98		100		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG791608-1 WG791608-2								
Dichlorodifluoromethane	101		105		36-147	4		20
Acetone	114		110		58-148	4		20
Carbon disulfide	105		103		51-130	2		20
2-Butanone	**142**	Q	**145**	Q	63-138	2		20
Vinyl acetate	130		**138**	Q	70-130	6		20
4-Methyl-2-pentanone	110		119		59-130	8		20
2-Hexanone	115		120		57-130	4		20
Acrolein	117		122		40-160	4		20
Bromochloromethane	99		104		70-130	5		20
2,2-Dichloropropane	106		108		63-133	2		20
1,2-Dibromoethane	97		102		70-130	5		20
1,3-Dichloropropane	106		110		70-130	4		20
1,1,1,2-Tetrachloroethane	94		96		64-130	2		20
Bromobenzene	88		94		70-130	7		20
n-Butylbenzene	105		106		53-136	1		20
sec-Butylbenzene	97		99		70-130	2		20
tert-Butylbenzene	92		95		70-130	3		20
o-Chlorotoluene	98		102		70-130	4		20
p-Chlorotoluene	98		101		70-130	3		20
1,2-Dibromo-3-chloropropane	106		112		41-144	6		20
Hexachlorobutadiene	90		89		63-130	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG791608-1 WG791608-2								
Isopropylbenzene	92		95		70-130	3		20
p-Isopropyltoluene	94		96		70-130	2		20
Naphthalene	102		112		70-130	9		20
n-Propylbenzene	98		102		69-130	4		20
1,2,3-Trichlorobenzene	89		94		70-130	5		20
1,2,4-Trichlorobenzene	86		90		70-130	5		20
1,3,5-Trimethylbenzene	95		99		64-130	4		20
1,2,4-Trimethylbenzene	95		98		70-130	3		20
Methyl Acetate	**134**	Q	**141**	Q	70-130	5		20
Ethyl Acetate	123		127		70-130	3		20
Cyclohexane	112		114		70-130	2		20
Ethyl-Tert-Butyl-Ether	108		116		70-130	7		20
Tertiary-Amyl Methyl Ether	100		106		66-130	6		20
1,4-Dioxane	104		116		56-162	11		20
Freon-113	99		103		70-130	4		20
p-Diethylbenzene	93		95		70-130	2		20
p-Ethyltoluene	94		97		70-130	3		20
1,2,4,5-Tetramethylbenzene	95		100		70-130	5		20
Ethyl ether	126		**135**	Q	59-134	7		20
trans-1,4-Dichloro-2-butene	115		125		70-130	8		20
Iodomethane	72		84		70-130	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG791608-1 WG791608-2								
Methyl cyclohexane	103		104		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	114		115		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	100		102		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG791611-1 WG791611-2								
Methylene chloride	100		94		70-130	6		20
1,1-Dichloroethane	96		90		70-130	6		20
Chloroform	104		96		70-130	8		20
Carbon tetrachloride	112		105		63-132	6		20
1,2-Dichloropropane	92		85		70-130	8		20
Dibromochloromethane	99		94		63-130	5		20
1,1,2-Trichloroethane	86		83		70-130	4		20
Tetrachloroethene	111		104		70-130	7		20
Chlorobenzene	102		95		75-130	7		20
Trichlorofluoromethane	109		103		62-150	6		20
1,2-Dichloroethane	92		86		70-130	7		20
1,1,1-Trichloroethane	106		98		67-130	8		20
Bromodichloromethane	100		93		67-130	7		20
trans-1,3-Dichloropropene	90		84		70-130	7		20
cis-1,3-Dichloropropene	98		92		70-130	6		20
1,1-Dichloropropene	99		93		70-130	6		20
Bromoform	91		87		54-136	4		20
1,1,2,2-Tetrachloroethane	76		75		67-130	1		20
Benzene	100		93		70-130	7		20
Toluene	96		90		70-130	6		20
Ethylbenzene	96		88		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG791611-1 WG791611-2								
Chloromethane	94		86		64-130	9		20
Bromomethane	113		122		39-139	8		20
Vinyl chloride	94		89		55-140	5		20
Chloroethane	100		92		55-138	8		20
1,1-Dichloroethene	102		98		61-145	4		20
trans-1,2-Dichloroethene	105		99		70-130	6		20
Trichloroethene	107		99		70-130	8		20
1,2-Dichlorobenzene	97		91		70-130	6		20
1,3-Dichlorobenzene	99		94		70-130	5		20
1,4-Dichlorobenzene	98		92		70-130	6		20
Methyl tert butyl ether	80		78		63-130	3		20
p/m-Xylene	103		95		70-130	8		20
o-Xylene	102		94		70-130	8		20
cis-1,2-Dichloroethene	104		98		70-130	6		20
Dibromomethane	97		93		70-130	4		20
1,2,3-Trichloropropane	76		75		64-130	1		20
Acrylonitrile	**66**	Q	70		70-130	6		20
Styrene	101		93		70-130	8		20
Dichlorodifluoromethane	112		104		36-147	7		20
Acetone	81		74		58-148	9		20
Carbon disulfide	99		89		51-130	11		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG791611-1 WG791611-2								
2-Butanone	64		63		63-138	2		20
Vinyl acetate	84		83		70-130	1		20
4-Methyl-2-pentanone	66		66		59-130	0		20
2-Hexanone	**56**	Q	57		57-130	2		20
Bromochloromethane	120		111		70-130	8		20
2,2-Dichloropropane	109		101		63-133	8		20
1,2-Dibromoethane	90		86		70-130	5		20
1,3-Dichloropropane	84		82		70-130	2		20
1,1,1,2-Tetrachloroethane	106		99		64-130	7		20
Bromobenzene	98		92		70-130	6		20
n-Butylbenzene	92		86		53-136	7		20
sec-Butylbenzene	93		89		70-130	4		20
tert-Butylbenzene	95		89		70-130	7		20
o-Chlorotoluene	93		86		70-130	8		20
p-Chlorotoluene	92		85		70-130	8		20
1,2-Dibromo-3-chloropropane	78		73		41-144	7		20
Hexachlorobutadiene	99		95		63-130	4		20
Isopropylbenzene	91		86		70-130	6		20
p-Isopropyltoluene	97		91		70-130	6		20
Naphthalene	78		78		70-130	0		20
n-Propylbenzene	90		85		69-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG791611-1 WG791611-2								
1,2,3-Trichlorobenzene	92		88		70-130	4		20
1,2,4-Trichlorobenzene	94		88		70-130	7		20
1,3,5-Trimethylbenzene	94		87		64-130	8		20
1,2,4-Trimethylbenzene	94		88		70-130	7		20
1,4-Dioxane	137		110		56-162	**22**	Q	20
p-Diethylbenzene	97		91		70-130	6		20
p-Ethyltoluene	94		87		70-130	8		20
1,2,4,5-Tetramethylbenzene	93		87		70-130	7		20
Ethyl ether	79		78		59-134	1		20
trans-1,4-Dichloro-2-butene	**67**	Q	**66**	Q	70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		91		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	87		88		70-130
Dibromofluoromethane	108		109		70-130

SEMIVOLATILES

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01
Client ID: MW01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/08/15 11:58
Analyst: MY

Date Collected: 06/03/15 10:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01 Date Collected: 06/03/15 10:00

Client ID: MW01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	79		41-149

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01
Client ID: MW01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 12:31
Analyst: KV

Date Collected: 06/03/15 10:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.14	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.09	J	ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.15	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.11	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01 Date Collected: 06/03/15 10:00

Client ID: MW01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

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	61		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	61		41-149

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02
Client ID: MW02_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/08/15 12:23
Analyst: MY

Date Collected: 06/03/15 13:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02 Date Collected: 06/03/15 13:25

Client ID: MW02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	23		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	76		41-149

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02
Client ID: MW02_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 13:02
Analyst: KV

Date Collected: 06/03/15 13:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02 Date Collected: 06/03/15 13:25

Client ID: MW02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

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	21		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	66		41-149

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03
Client ID: MW03_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/08/15 13:39
Analyst: MY

Date Collected: 06/03/15 12:50
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03 Date Collected: 06/03/15 12:50

Client ID: MW03_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	77		41-149

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03
Client ID: MW03_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 13:33
Analyst: KV

Date Collected: 06/03/15 12:50
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03 Date Collected: 06/03/15 12:50

Client ID: MW03_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	59		41-149

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04
Client ID: MW04_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/08/15 14:03
Analyst: MY

Date Collected: 06/03/15 15:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04 Date Collected: 06/03/15 15:25

Client ID: MW04_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	3.6	J	ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	25		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	75		41-149

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04
Client ID: MW04_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 14:03
Analyst: KV

Date Collected: 06/03/15 15:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.19	J	ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.59		ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	0.39		ug/l	0.20	0.06	1
Benzo(a)anthracene	0.26		ug/l	0.20	0.06	1
Benzo(a)pyrene	0.28		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	0.30		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	0.12	J	ug/l	0.20	0.07	1
Chrysene	0.25		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	0.15	J	ug/l	0.20	0.06	1
Benzo(ghi)perylene	0.15	J	ug/l	0.20	0.07	1
Fluorene	0.11	J	ug/l	0.20	0.06	1
Phenanthrene	0.62		ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	0.15	J	ug/l	0.20	0.08	1
Pyrene	0.54		ug/l	0.20	0.06	1
2-Methylnaphthalene	0.31		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04 Date Collected: 06/03/15 15:25

Client ID: MW04_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

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	63		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	72		10-120
4-Terphenyl-d14	61		41-149

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07
Client ID: FB01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/08/15 14:28
Analyst: MY

Date Collected: 06/03/15 10:45
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07 Date Collected: 06/03/15 10:45

Client ID: FB01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	28		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	86		41-149

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07
Client ID: FB01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 14:33
Analyst: KV

Date Collected: 06/03/15 10:45
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07 Date Collected: 06/03/15 10:45

Client ID: FB01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	19		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	68		41-149

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08
Client ID: DUP01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 06/08/15 14:54
Analyst: MY

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.58	1
Isophorone	ND		ug/l	5.0	0.79	1
Nitrobenzene	ND		ug/l	2.0	0.40	1
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.1	1
Di-n-butylphthalate	ND		ug/l	5.0	0.77	1
Di-n-octylphthalate	ND		ug/l	5.0	1.2	1
Diethyl phthalate	ND		ug/l	5.0	0.39	1
Dimethyl phthalate	ND		ug/l	5.0	0.33	1
Biphenyl	ND		ug/l	2.0	0.24	1
4-Chloroaniline	ND		ug/l	5.0	0.84	1
2-Nitroaniline	ND		ug/l	5.0	0.96	1
3-Nitroaniline	ND		ug/l	5.0	0.67	1
4-Nitroaniline	ND		ug/l	5.0	0.83	1
Dibenzofuran	ND		ug/l	2.0	0.22	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08 Date Collected: 06/03/15 00:00

Client ID: DUP01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acetophenone	ND		ug/l	5.0	0.43	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78	1
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54	1
2-Chlorophenol	ND		ug/l	2.0	0.58	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.56	1
2,4-Dimethylphenol	ND		ug/l	5.0	0.58	1
2-Nitrophenol	ND		ug/l	10	1.0	1
4-Nitrophenol	ND		ug/l	10	1.1	1
2,4-Dinitrophenol	ND		ug/l	20	1.4	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4	1
Phenol	ND		ug/l	5.0	0.27	1
2-Methylphenol	ND		ug/l	5.0	0.70	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75	1
Benzoic Acid	ND		ug/l	50	1.0	1
Benzyl Alcohol	ND		ug/l	2.0	0.68	1
Carbazole	ND		ug/l	2.0	0.37	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	27		21-120
Phenol-d6	18		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	64		41-149

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08
Client ID: DUP01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 15:03
Analyst: KV

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.20	0.06	1
2-Chloronaphthalene	ND		ug/l	0.20	0.07	1
Fluoranthene	0.07	J	ug/l	0.20	0.04	1
Hexachlorobutadiene	ND		ug/l	0.50	0.07	1
Naphthalene	ND		ug/l	0.20	0.06	1
Benzo(a)anthracene	ND		ug/l	0.20	0.06	1
Benzo(a)pyrene	ND		ug/l	0.20	0.07	1
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07	1
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07	1
Chrysene	ND		ug/l	0.20	0.05	1
Acenaphthylene	ND		ug/l	0.20	0.05	1
Anthracene	ND		ug/l	0.20	0.06	1
Benzo(ghi)perylene	ND		ug/l	0.20	0.07	1
Fluorene	ND		ug/l	0.20	0.06	1
Phenanthrene	0.09	J	ug/l	0.20	0.06	1
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07	1
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08	1
Pyrene	0.06	J	ug/l	0.20	0.06	1
2-Methylnaphthalene	ND		ug/l	0.20	0.06	1
Pentachlorophenol	ND		ug/l	0.80	0.19	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.07	1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08 Date Collected: 06/03/15 00:00

Client ID: DUP01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	26		21-120
Phenol-d6	17		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	59		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	51		41-149

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/08/15 10:17
Analyst: MY

Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07-08 Batch: WG791384-1					
Acenaphthene	ND		ug/l	2.0	0.28
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.21
Hexachlorobenzene	ND		ug/l	2.0	0.40
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.41
2-Chloronaphthalene	ND		ug/l	2.0	0.46
1,2-Dichlorobenzene	ND		ug/l	2.0	0.30
1,3-Dichlorobenzene	ND		ug/l	2.0	0.35
1,4-Dichlorobenzene	ND		ug/l	2.0	0.32
3,3'-Dichlorobenzidine	ND		ug/l	5.0	0.48
2,4-Dinitrotoluene	ND		ug/l	5.0	1.0
2,6-Dinitrotoluene	ND		ug/l	5.0	0.89
Fluoranthene	ND		ug/l	2.0	0.40
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.36
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.43
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.60
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.60
Hexachlorobutadiene	ND		ug/l	2.0	0.42
Hexachlorocyclopentadiene	ND		ug/l	20	0.58
Hexachloroethane	ND		ug/l	2.0	0.30
Isophorone	ND		ug/l	5.0	0.79
Naphthalene	ND		ug/l	2.0	0.33
Nitrobenzene	ND		ug/l	2.0	0.40
NitrosoDiPhenylAmine(NDPA)/DPA	ND		ug/l	2.0	0.34
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-Ethylhexyl)phthalate	ND		ug/l	3.0	0.93
Butyl benzyl phthalate	ND		ug/l	5.0	1.1
Di-n-butylphthalate	ND		ug/l	5.0	0.77
Di-n-octylphthalate	ND		ug/l	5.0	1.2
Diethyl phthalate	ND		ug/l	5.0	0.39

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/08/15 10:17
Analyst: MY

Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07-08 Batch: WG791384-1					
Dimethyl phthalate	ND		ug/l	5.0	0.33
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.66
Benzo(b)fluoranthene	ND		ug/l	2.0	0.37
Benzo(k)fluoranthene	ND		ug/l	2.0	0.30
Chrysene	ND		ug/l	2.0	0.30
Acenaphthylene	ND		ug/l	2.0	0.37
Anthracene	ND		ug/l	2.0	0.20
Benzo(ghi)perylene	ND		ug/l	2.0	0.57
Fluorene	ND		ug/l	2.0	0.32
Phenanthrene	ND		ug/l	2.0	0.23
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.44
Indeno(1,2,3-cd)Pyrene	ND		ug/l	2.0	0.43
Pyrene	ND		ug/l	2.0	0.52
Biphenyl	ND		ug/l	2.0	0.24
4-Chloroaniline	ND		ug/l	5.0	0.84
2-Nitroaniline	ND		ug/l	5.0	0.96
3-Nitroaniline	ND		ug/l	5.0	0.67
4-Nitroaniline	ND		ug/l	5.0	0.83
Dibenzofuran	ND		ug/l	2.0	0.22
2-Methylnaphthalene	ND		ug/l	2.0	0.36
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.36
Acetophenone	ND		ug/l	5.0	0.43
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.78
P-Chloro-M-Cresol	ND		ug/l	2.0	0.54
2-Chlorophenol	ND		ug/l	2.0	0.58
2,4-Dichlorophenol	ND		ug/l	5.0	0.56
2,4-Dimethylphenol	ND		ug/l	5.0	0.58
2-Nitrophenol	ND		ug/l	10	1.0

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 06/08/15 10:17
Analyst: MY

Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04,07-08 Batch: WG791384-1					
4-Nitrophenol	ND		ug/l	10	1.1
2,4-Dinitrophenol	ND		ug/l	20	1.4
4,6-Dinitro-o-cresol	ND		ug/l	10	1.4
Pentachlorophenol	ND		ug/l	10	3.2
Phenol	ND		ug/l	5.0	0.27
2-Methylphenol	ND		ug/l	5.0	0.70
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.72
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.75
Benzoic Acid	ND		ug/l	50	1.0
Benzyl Alcohol	ND		ug/l	2.0	0.68
Carbazole	ND		ug/l	2.0	0.37
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	64		10-120
4-Terphenyl-d14	68		41-149

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512315
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 11:00
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04,07-08 Batch: WG791385-1					
Acenaphthene	ND		ug/l	0.20	0.06
2-Chloronaphthalene	ND		ug/l	0.20	0.07
Fluoranthene	ND		ug/l	0.20	0.04
Hexachlorobutadiene	0.11	J	ug/l	0.50	0.07
Naphthalene	ND		ug/l	0.20	0.06
Benzo(a)anthracene	ND		ug/l	0.20	0.06
Benzo(a)pyrene	ND		ug/l	0.20	0.07
Benzo(b)fluoranthene	ND		ug/l	0.20	0.07
Benzo(k)fluoranthene	ND		ug/l	0.20	0.07
Chrysene	ND		ug/l	0.20	0.05
Acenaphthylene	ND		ug/l	0.20	0.05
Anthracene	ND		ug/l	0.20	0.06
Benzo(ghi)perylene	ND		ug/l	0.20	0.07
Fluorene	ND		ug/l	0.20	0.06
Phenanthrene	ND		ug/l	0.20	0.06
Dibenzo(a,h)anthracene	ND		ug/l	0.20	0.07
Indeno(1,2,3-cd)Pyrene	ND		ug/l	0.20	0.08
Pyrene	ND		ug/l	0.20	0.06
2-Methylnaphthalene	0.06	J	ug/l	0.20	0.06
Pentachlorophenol	ND		ug/l	0.80	0.19
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	0.11	J	ug/l	0.80	0.07

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 06/08/15 11:00
Analyst: KV

Extraction Method: EPA 3510C
Extraction Date: 06/07/15 00:56

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 01-04,07-08 Batch: WG791385-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	64		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791384-2 WG791384-3								
Acenaphthene	62		66		37-111	6		30
1,2,4-Trichlorobenzene	52		56		39-98	7		30
Hexachlorobenzene	64		70		40-140	9		30
Bis(2-chloroethyl)ether	60		62		40-140	3		30
2-Chloronaphthalene	61		64		40-140	5		30
1,2-Dichlorobenzene	51		54		40-140	6		30
1,3-Dichlorobenzene	49		51		40-140	4		30
1,4-Dichlorobenzene	49		53		36-97	8		30
3,3'-Dichlorobenzidine	63		56		40-140	12		30
2,4-Dinitrotoluene	75		82		24-96	9		30
2,6-Dinitrotoluene	74		81		40-140	9		30
Fluoranthene	68		75		40-140	10		30
4-Chlorophenyl phenyl ether	63		67		40-140	6		30
4-Bromophenyl phenyl ether	64		70		40-140	9		30
Bis(2-chloroisopropyl)ether	57		60		40-140	5		30
Bis(2-chloroethoxy)methane	61		63		40-140	3		30
Hexachlorobutadiene	48		51		40-140	6		30
Hexachlorocyclopentadiene	52		52		40-140	0		30
Hexachloroethane	46		49		40-140	6		30
Isophorone	61		64		40-140	5		30
Naphthalene	59		62		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791384-2 WG791384-3								
Nitrobenzene	64		68		40-140	6		30
NitrosoDiPhenylAmine(NDPA)/DPA	66		71		40-140	7		30
n-Nitrosodi-n-propylamine	60		62		29-132	3		30
Bis(2-Ethylhexyl)phthalate	69		75		40-140	8		30
Butyl benzyl phthalate	70		77		40-140	10		30
Di-n-butylphthalate	71		78		40-140	9		30
Di-n-octylphthalate	72		79		40-140	9		30
Diethyl phthalate	67		73		40-140	9		30
Dimethyl phthalate	67		72		40-140	7		30
Benzo(a)anthracene	65		70		40-140	7		30
Benzo(a)pyrene	62		67		40-140	8		30
Benzo(b)fluoranthene	65		69		40-140	6		30
Benzo(k)fluoranthene	63		70		40-140	11		30
Chrysene	65		70		40-140	7		30
Acenaphthylene	65		68		45-123	5		30
Anthracene	70		74		40-140	6		30
Benzo(ghi)perylene	64		70		40-140	9		30
Fluorene	66		70		40-140	6		30
Phenanthrene	67		72		40-140	7		30
Dibenzo(a,h)anthracene	64		71		40-140	10		30
Indeno(1,2,3-cd)Pyrene	64		70		40-140	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791384-2 WG791384-3								
Pyrene	69		74		26-127	7		30
Biphenyl	61		65		54-104	6		30
4-Chloroaniline	50		43		40-140	15		30
2-Nitroaniline	72		78		52-143	8		30
3-Nitroaniline	52		46		25-145	12		30
4-Nitroaniline	68		74		51-143	8		30
Dibenzofuran	65		70		40-140	7		30
2-Methylnaphthalene	59		62		40-140	5		30
1,2,4,5-Tetrachlorobenzene	55		59		2-134	7		30
Acetophenone	62		64		39-129	3		30
2,4,6-Trichlorophenol	67		70		30-130	4		30
P-Chloro-M-Cresol	62		65		23-97	5		30
2-Chlorophenol	52		55		27-123	6		30
2,4-Dichlorophenol	65		68		30-130	5		30
2,4-Dimethylphenol	59		58		30-130	2		30
2-Nitrophenol	64		69		30-130	8		30
4-Nitrophenol	29		34		10-80	16		30
2,4-Dinitrophenol	60		68		20-130	13		30
4,6-Dinitro-o-cresol	66		73		20-164	10		30
Pentachlorophenol	64		69		9-103	8		30
Phenol	21		22		12-110	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791384-2 WG791384-3								
2-Methylphenol	44		46		30-130	4		30
3-Methylphenol/4-Methylphenol	41		43		30-130	5		30
2,4,5-Trichlorophenol	68		74		30-130	8		30
Benzoic Acid	14		19		10-110	30		30
Benzyl Alcohol	42		44		15-110	5		30
Carbazole	68		74		55-144	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	29		31		21-120
Phenol-d6	19		20		10-120
Nitrobenzene-d5	62		66		23-120
2-Fluorobiphenyl	64		69		15-120
2,4,6-Tribromophenol	64		72		10-120
4-Terphenyl-d14	66		73		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791385-2 WG791385-3								
Acenaphthene	59		62		37-111	5		40
2-Chloronaphthalene	60		64		40-140	6		40
Fluoranthene	61		65		40-140	6		40
Hexachlorobutadiene	51		53		40-140	4		40
Naphthalene	60		63		40-140	5		40
Benzo(a)anthracene	71		76		40-140	7		40
Benzo(a)pyrene	62		66		40-140	6		40
Benzo(b)fluoranthene	65		69		40-140	6		40
Benzo(k)fluoranthene	65		69		40-140	6		40
Chrysene	63		67		40-140	6		40
Acenaphthylene	69		72		40-140	4		40
Anthracene	61		65		40-140	6		40
Benzo(ghi)perylene	66		70		40-140	6		40
Fluorene	63		68		40-140	8		40
Phenanthrene	59		62		40-140	5		40
Dibenzo(a,h)anthracene	68		72		40-140	6		40
Indeno(1,2,3-cd)Pyrene	67		71		40-140	6		40
Pyrene	60		64		26-127	6		40
2-Methylnaphthalene	64		67		40-140	5		40
Pentachlorophenol	59		62		9-103	5		40
Hexachlorobenzene	58		63		40-140	8		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791385-2 WG791385-3								
Hexachloroethane	58		61		40-140	5		40

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	31		32		21-120
Phenol-d6	21		22		10-120
Nitrobenzene-d5	64		67		23-120
2-Fluorobiphenyl	66		69		15-120
2,4,6-Tribromophenol	73		78		10-120
4-Terphenyl-d14	63		68		41-149

PCBS

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01
Client ID: MW01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/15 00:22
Analyst: JW

Date Collected: 06/03/15 10:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	98		30-150	B
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	93		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02
Client ID: MW02_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/15 00:35
Analyst: JW

Date Collected: 06/03/15 13:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	128		30-150	B
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	135		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03
Client ID: MW03_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/15 00:47
Analyst: JW

Date Collected: 06/03/15 12:50
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	77		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	78		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04
Client ID: MW04_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/15 01:12
Analyst: JW

Date Collected: 06/03/15 15:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	86		30-150	B
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	81		30-150	A

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07
Client ID: FB01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/15 01:24
Analyst: JW

Date Collected: 06/03/15 10:45
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	102		30-150	B
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	108		30-150	A

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08
Client ID: DUP01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/07/15 01:37
Analyst: JW

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.083	0.055	1	A
Aroclor 1221	ND		ug/l	0.083	0.053	1	A
Aroclor 1232	ND		ug/l	0.083	0.031	1	A
Aroclor 1242	ND		ug/l	0.083	0.060	1	A
Aroclor 1248	ND		ug/l	0.083	0.051	1	A
Aroclor 1254	ND		ug/l	0.083	0.034	1	A
Aroclor 1260	ND		ug/l	0.083	0.032	1	A
Aroclor 1262	ND		ug/l	0.083	0.029	1	A
Aroclor 1268	ND		ug/l	0.083	0.038	1	A
PCBs, Total	ND		ug/l	0.083	0.029	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	110		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	106		30-150	A

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/07/15 01:49
Analyst: JW

Extraction Method: EPA 3510C
Extraction Date: 06/05/15 02:57
Cleanup Method: EPA 3665A
Cleanup Date: 06/06/15
Cleanup Method: EPA 3660B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-04,07-08 Batch: WG790954-1						
Aroclor 1016	ND		ug/l	0.083	0.055	A
Aroclor 1221	ND		ug/l	0.083	0.053	A
Aroclor 1232	ND		ug/l	0.083	0.031	A
Aroclor 1242	ND		ug/l	0.083	0.060	A
Aroclor 1248	ND		ug/l	0.083	0.051	A
Aroclor 1254	ND		ug/l	0.083	0.034	A
Aroclor 1260	ND		ug/l	0.083	0.032	A
Aroclor 1262	ND		ug/l	0.083	0.029	A
Aroclor 1268	ND		ug/l	0.083	0.038	A
PCBs, Total	ND		ug/l	0.083	0.029	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	119		30-150	B
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	117		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG790954-2 WG790954-3									
Aroclor 1016	69		80		40-140	16		50	A
Aroclor 1260	69		74		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		76		30-150	B
Decachlorobiphenyl	107		97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	62		82		30-150	A
Decachlorobiphenyl	101		117		30-150	A

PESTICIDES

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01
Client ID: MW01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/06/15 17:37
Analyst: TQ

Date Collected: 06/03/15 10:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 01:44
Cleanup Method: EPA 3620B
Cleanup Date: 06/06/15

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 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	0.009	J	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	0.008	J	ug/l	0.020	0.006	1	A
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02
Client ID: MW02_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/06/15 17:53
Analyst: TQ

Date Collected: 06/03/15 13:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 01:44
Cleanup Method: EPA 3620B
Cleanup Date: 06/06/15

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 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03
Client ID: MW03_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/06/15 18:08
Analyst: TQ

Date Collected: 06/03/15 12:50
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 01:44
Cleanup Method: EPA 3620B
Cleanup Date: 06/06/15

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 ketone	ND		ug/l	0.040	0.005	1	A
Dieldrin	ND		ug/l	0.040	0.004	1	A
4,4'-DDE	0.011	J	ug/l	0.040	0.004	1	B
4,4'-DDD	ND		ug/l	0.040	0.005	1	A
4,4'-DDT	0.047		ug/l	0.040	0.004	1	B
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	0.017	J	ug/l	0.020	0.006	1	B
Chlordane	ND		ug/l	0.200	0.046	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04
Client ID: MW04_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/06/15 18:24
Analyst: TQ

Date Collected: 06/03/15 15:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 01:44
Cleanup Method: EPA 3620B
Cleanup Date: 06/06/15

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 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	0.008	J	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	106		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID:	L1512315-07	Date Collected:	06/03/15 10:45
Client ID:	FB01_060315	Date Received:	06/03/15
Sample Location:	440 WASHINGTON ST.	Field Prep:	None
Matrix:	Water	Extraction Method:	EPA 3510C
Analytical Method:	1,8081B	Extraction Date:	06/05/15 01:44
Analytical Date:	06/06/15 18:40	Cleanup Method:	EPA 3620B
Analyst:	TQ	Cleanup Date:	06/06/15

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 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08
Client ID: DUP01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/06/15 18:56
Analyst: TQ

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: None
Extraction Method: EPA 3510C
Extraction Date: 06/05/15 01:44
Cleanup Method: EPA 3620B
Cleanup Date: 06/06/15

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 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	0.009	J	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

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	84		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/06/15 16:51
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 06/05/15 01:44
Cleanup Method: EPA 3620B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,07-08 Batch: WG790929-1						
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 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: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/06/15 16:51
Analyst: TQ

Extraction Method: EPA 3510C
Extraction Date: 06/05/15 01:44
Cleanup Method: EPA 3620B
Cleanup Date: 06/06/15

Parameter	Result	Qualifier	Units	RL	MDL
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-04,07-08 Batch: WG790929-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	118		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG790929-2 WG790929-3									
Delta-BHC	67		77		30-150	14		20	A
Lindane	94		103		30-150	10		20	A
Alpha-BHC	95		100		30-150	5		20	A
Beta-BHC	87		97		30-150	12		20	A
Heptachlor	96		105		30-150	9		20	A
Aldrin	102		111		30-150	8		20	A
Heptachlor epoxide	96		109		30-150	12		20	A
Endrin	115		129		30-150	11		20	A
Endrin ketone	108		110		30-150	2		20	A
Dieldrin	117		129		30-150	10		20	A
4,4'-DDE	109		123		30-150	12		20	A
4,4'-DDD	105		120		30-150	13		20	A
4,4'-DDT	115		132		30-150	14		20	A
Endosulfan I	102		116		30-150	13		20	A
Endosulfan II	105		121		30-150	14		20	A
Endosulfan sulfate	102		105		30-150	3		20	A
Methoxychlor	104		113		30-150	8		20	A
cis-Chlordane	97		110		30-150	13		20	A
trans-Chlordane	103		116		30-150	12		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG790929-2 WG790929-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		77		30-150	A
Decachlorobiphenyl	72		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	B
Decachlorobiphenyl	107		113		30-150	B

METALS

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01 Date Collected: 06/03/15 10:00

Client ID: MW01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.015		mg/l	0.010	0.002	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Antimony, Total	0.0014	J	mg/l	0.0030	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0010		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Barium, Total	0.1649		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Calcium, Total	303		mg/l	3.00	0.640	20	06/09/15 17:43	06/09/15 18:48	EPA 3005A	1,6020A	BM
Chromium, Total	0.0018	J	mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0009	J	mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Copper, Total	0.0122		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Iron, Total	0.168		mg/l	0.050	0.012	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Lead, Total	0.0017		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Magnesium, Total	160		mg/l	1.40	0.446	20	06/09/15 17:43	06/09/15 18:48	EPA 3005A	1,6020A	BM
Manganese, Total	0.2926		mg/l	0.0010	0.0003	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 19:07	EPA 7470A	1,7470A	EA
Nickel, Total	0.0040		mg/l	0.0020	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Potassium, Total	49.0		mg/l	2.00	0.386	20	06/09/15 17:43	06/09/15 18:48	EPA 3005A	1,6020A	BM
Selenium, Total	0.004	J	mg/l	0.005	0.001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Sodium, Total	670		mg/l	6.00	0.322	20	06/09/15 17:43	06/09/15 18:48	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0019	J	mg/l	0.0050	0.0006	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Zinc, Total	0.0165		mg/l	0.0100	0.0026	1	06/09/15 17:43	06/09/15 18:45	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.006	J	mg/l	0.010	0.002	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0028	J	mg/l	0.0030	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0016		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.1662		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	0.0002	J	mg/l	0.0002	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01 Date Collected: 06/03/15 10:00

Client ID: MW01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	315		mg/l	3.00	0.640	20	06/08/15 14:12	06/09/15 15:25	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0478		mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0018		mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0139		mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Iron, Dissolved	0.267		mg/l	0.050	0.012	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0009	J	mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	157		mg/l	1.40	0.446	20	06/08/15 14:12	06/09/15 15:25	EPA 3005A	1,6020A	BM
Manganese, Dissolved	0.3434		mg/l	0.0010	0.0003	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/08/15 14:11	06/08/15 23:15	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0337		mg/l	0.0020	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Potassium, Dissolved	48.2		mg/l	2.00	0.386	20	06/08/15 14:12	06/09/15 15:25	EPA 3005A	1,6020A	BM
Selenium, Dissolved	0.003	J	mg/l	0.005	0.001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Sodium, Dissolved	641		mg/l	6.00	0.322	20	06/08/15 14:12	06/09/15 15:25	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.0023	J	mg/l	0.0050	0.0006	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0182		mg/l	0.0100	0.0026	1	06/08/15 14:12	06/09/15 15:22	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02 Date Collected: 06/03/15 13:25

Client ID: MW02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.057		mg/l	0.010	0.002	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Antimony, Total	0.0003	J	mg/l	0.0030	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0011		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Barium, Total	0.2493		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Calcium, Total	234		mg/l	3.00	0.640	20	06/09/15 17:43	06/09/15 19:16	EPA 3005A	1,6020A	BM
Chromium, Total	0.00199	J	mg/l	0.00200	0.00025	1	06/05/15 11:39	06/06/15 13:25	EPA 3005A	1,6020A	KL
Chromium, Total	0.0033		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0009	J	mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Copper, Total	0.0017	J	mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Iron, Total	0.431		mg/l	0.050	0.012	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Lead, Total	0.0015		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Magnesium, Total	181		mg/l	1.40	0.446	20	06/09/15 17:43	06/09/15 19:16	EPA 3005A	1,6020A	BM
Manganese, Total	0.6969		mg/l	0.0200	0.0060	20	06/09/15 17:43	06/09/15 19:16	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 19:08	EPA 7470A	1,7470A	EA
Nickel, Total	0.0046		mg/l	0.0020	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Potassium, Total	43.2		mg/l	0.100	0.019	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Sodium, Total	534		mg/l	6.00	0.322	20	06/09/15 17:43	06/09/15 19:16	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0027	J	mg/l	0.0050	0.0006	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Zinc, Total	0.0563		mg/l	0.0100	0.0026	1	06/09/15 17:43	06/09/15 19:13	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.006	J	mg/l	0.010	0.002	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0002	J	mg/l	0.0030	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0008		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.2512		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02 Date Collected: 06/03/15 13:25

Client ID: MW02_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Calcium, Dissolved	243		mg/l	3.00	0.640	20	06/08/15 14:12	06/09/15 16:01	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0024		mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0004	J	mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0003	J	mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Iron, Dissolved	0.362		mg/l	0.050	0.012	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	179		mg/l	1.40	0.446	20	06/08/15 14:12	06/09/15 16:01	EPA 3005A	1,6020A	BM
Manganese, Dissolved	0.7321		mg/l	0.0200	0.0060	20	06/08/15 14:12	06/09/15 16:01	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/04/15 11:01	06/04/15 19:30	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0041		mg/l	0.0020	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Potassium, Dissolved	42.7		mg/l	2.00	0.386	20	06/08/15 14:12	06/09/15 16:01	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Sodium, Dissolved	529		mg/l	6.00	0.322	20	06/08/15 14:12	06/09/15 16:01	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.0026	J	mg/l	0.0050	0.0006	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM
Zinc, Dissolved	ND		mg/l	0.0100	0.0026	1	06/08/15 14:12	06/09/15 15:58	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03 Date Collected: 06/03/15 12:50

Client ID: MW03_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	12.0		mg/l	2.00	0.338	200	06/09/15 17:43	06/09/15 19:25	EPA 3005A	1,6020A	BM
Antimony, Total	0.003		mg/l	0.0030	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0117		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Barium, Total	0.3817		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Beryllium, Total	0.0009		mg/l	0.0005	0.0002	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0010		mg/l	0.0002	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Calcium, Total	232		mg/l	3.00	0.640	20	06/09/15 17:43	06/09/15 19:22	EPA 3005A	1,6020A	BM
Chromium, Total	0.00104	J	mg/l	0.00200	0.00025	1	06/05/15 11:39	06/06/15 13:48	EPA 3005A	1,6020A	KL
Chromium, Total	0.0738		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0189		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Copper, Total	0.0965		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Iron, Total	25.5		mg/l	0.050	0.012	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Lead, Total	0.4515		mg/l	0.0200	0.0026	20	06/09/15 17:43	06/09/15 19:22	EPA 3005A	1,6020A	BM
Magnesium, Total	102		mg/l	1.40	0.446	20	06/09/15 17:43	06/09/15 19:22	EPA 3005A	1,6020A	BM
Manganese, Total	3.318		mg/l	0.0200	0.0060	20	06/09/15 17:43	06/09/15 19:22	EPA 3005A	1,6020A	BM
Mercury, Total	0.00044		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 19:10	EPA 7470A	1,7470A	EA
Nickel, Total	0.0674		mg/l	0.0020	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Potassium, Total	49.9		mg/l	2.00	0.386	20	06/09/15 17:43	06/09/15 19:22	EPA 3005A	1,6020A	BM
Selenium, Total	0.004	J	mg/l	0.005	0.001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Silver, Total	0.0064		mg/l	0.0004	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Sodium, Total	442		mg/l	6.00	0.322	20	06/09/15 17:43	06/09/15 19:22	EPA 3005A	1,6020A	BM
Thallium, Total	0.0001	J	mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0364		mg/l	0.0050	0.0006	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Zinc, Total	0.2933		mg/l	0.0100	0.0026	1	06/09/15 17:43	06/09/15 19:19	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.003	J	mg/l	0.010	0.002	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0008	J	mg/l	0.0030	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0015		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.1926		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03
Client ID: MW03_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Date Collected: 06/03/15 12:50
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	0.0001	J	mg/l	0.0002	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Calcium, Dissolved	185		mg/l	3.00	0.640	20	06/08/15 14:12	06/09/15 16:07	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0014	J	mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0072		mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0012	J	mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Iron, Dissolved	8.63		mg/l	0.050	0.012	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	119		mg/l	1.40	0.446	20	06/08/15 14:12	06/09/15 16:07	EPA 3005A	1,6020A	BM
Manganese, Dissolved	3.861		mg/l	0.0100	0.0060	20	06/08/15 14:12	06/09/15 16:07	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/04/15 11:01	06/04/15 19:32	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0126		mg/l	0.0020	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Potassium, Dissolved	49.1		mg/l	2.00	0.386	20	06/08/15 14:12	06/09/15 16:07	EPA 3005A	1,6020A	BM
Selenium, Dissolved	0.001	J	mg/l	0.005	0.001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Sodium, Dissolved	477		mg/l	6.00	0.322	20	06/08/15 14:12	06/09/15 16:07	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.0020	J	mg/l	0.0050	0.0006	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0387		mg/l	0.0100	0.0026	1	06/08/15 14:12	06/09/15 16:04	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04 Date Collected: 06/03/15 15:25

Client ID: MW04_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Field Filtered (Metals)

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	2.54		mg/l	0.200	0.034	20	06/09/15 17:43	06/09/15 19:31	EPA 3005A	1,6020A	BM
Antimony, Total	0.0011	J	mg/l	0.0030	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0032		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Barium, Total	0.3198		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Calcium, Total	264		mg/l	3.00	0.640	20	06/09/15 17:43	06/09/15 19:31	EPA 3005A	1,6020A	BM
Chromium, Total	0.0552		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0045		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Copper, Total	0.00060	J	mg/l	0.00200	0.00026	1	06/05/15 11:39	06/06/15 13:51	EPA 3005A	1,6020A	KL
Copper, Total	0.0209		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Iron, Total	4.87		mg/l	0.050	0.012	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Lead, Total	0.0576		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Magnesium, Total	106		mg/l	1.40	0.446	20	06/09/15 17:43	06/09/15 19:31	EPA 3005A	1,6020A	BM
Manganese, Total	1.593		mg/l	0.0200	0.0060	20	06/09/15 17:43	06/09/15 19:31	EPA 3005A	1,6020A	BM
Mercury, Total	0.00023		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 19:12	EPA 7470A	1,7470A	EA
Nickel, Total	0.0452		mg/l	0.0020	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Potassium, Total	37.6		mg/l	0.100	0.019	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Selenium, Total	0.001	J	mg/l	0.005	0.001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Silver, Total	0.0002	J	mg/l	0.0004	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Sodium, Total	466		mg/l	6.00	0.322	20	06/09/15 17:43	06/09/15 19:31	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0069		mg/l	0.0050	0.0006	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Zinc, Total	0.0524		mg/l	0.0100	0.0026	1	06/09/15 17:43	06/09/15 19:28	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.007	J	mg/l	0.010	0.002	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0012	J	mg/l	0.0030	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0017		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.3188		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST.
Lab Number: L1512315
Project Number: 170361501
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04
Client ID: MW04_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water
Date Collected: 06/03/15 15:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Calcium, Dissolved	330		mg/l	3.00	0.640	20	06/08/15 14:12	06/09/15 16:14	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0020	J	mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0015		mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0007	J	mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Iron, Dissolved	1.59		mg/l	0.050	0.012	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0003	J	mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	120		mg/l	1.40	0.446	20	06/08/15 14:12	06/09/15 16:14	EPA 3005A	1,6020A	BM
Manganese, Dissolved	1.955		mg/l	0.0200	0.0060	20	06/08/15 14:12	06/09/15 16:14	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/04/15 11:01	06/04/15 19:34	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0104		mg/l	0.0020	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Potassium, Dissolved	39.1		mg/l	2.00	0.386	20	06/08/15 14:12	06/09/15 16:14	EPA 3005A	1,6020A	BM
Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Sodium, Dissolved	522		mg/l	6.00	0.322	20	06/08/15 14:12	06/09/15 16:14	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.0035	J	mg/l	0.0050	0.0006	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0171		mg/l	0.0100	0.0026	1	06/08/15 14:12	06/09/15 16:10	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07 Date Collected: 06/03/15 10:45

Client ID: FB01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.006	J	mg/l	0.010	0.002	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Antimony, Total	ND		mg/l	0.0030	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Barium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Calcium, Total	0.132	J	mg/l	0.150	0.032	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Chromium, Total	0.0004	J	mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Cobalt, Total	ND		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Copper, Total	0.0015	J	mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Iron, Total	ND		mg/l	0.050	0.012	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Lead, Total	ND		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Manganese, Total	0.0014		mg/l	0.0010	0.0003	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 19:14	EPA 7470A	1,7470A	EA
Nickel, Total	ND		mg/l	0.0020	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Potassium, Total	0.029	J	mg/l	0.100	0.019	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Silver, Total	ND		mg/l	0.0004	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Sodium, Total	0.271	J	mg/l	0.300	0.016	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/09/15 17:43	06/09/15 19:41	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08 Date Collected: 06/03/15 00:00

Client ID: DUP01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Westborough Lab											
Aluminum, Total	0.008	J	mg/l	0.010	0.002	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Antimony, Total	0.0016	J	mg/l	0.0030	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Arsenic, Total	0.0010		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Barium, Total	0.1580		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Cadmium, Total	0.0001	J	mg/l	0.0002	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Calcium, Total	266		mg/l	3.00	0.640	20	06/09/15 17:43	06/09/15 19:47	EPA 3005A	1,6020A	BM
Chromium, Total	0.0023		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Cobalt, Total	0.0008	J	mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Copper, Total	0.0140		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Iron, Total	0.127		mg/l	0.050	0.012	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Lead, Total	0.0016		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Magnesium, Total	147		mg/l	1.40	0.446	20	06/09/15 17:43	06/09/15 19:47	EPA 3005A	1,6020A	BM
Manganese, Total	0.2983		mg/l	0.0010	0.0003	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 19:19	EPA 7470A	1,7470A	EA
Nickel, Total	0.0039		mg/l	0.0020	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Potassium, Total	43.2		mg/l	2.00	0.386	20	06/09/15 17:43	06/09/15 19:47	EPA 3005A	1,6020A	BM
Selenium, Total	0.004	J	mg/l	0.005	0.001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Silver, Total	0.0001	J	mg/l	0.0004	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Sodium, Total	630		mg/l	6.00	0.322	20	06/09/15 17:43	06/09/15 19:47	EPA 3005A	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Vanadium, Total	0.0016	J	mg/l	0.0050	0.0006	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Zinc, Total	0.0139		mg/l	0.0100	0.0026	1	06/09/15 17:43	06/09/15 19:44	EPA 3005A	1,6020A	BM
Dissolved Metals - Westborough Lab											
Aluminum, Dissolved	0.011		mg/l	0.010	0.002	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Antimony, Dissolved	0.0023	J	mg/l	0.0030	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Arsenic, Dissolved	0.0011		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Barium, Dissolved	0.1565		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Cadmium, Dissolved	0.0001	J	mg/l	0.0002	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08 Date Collected: 06/03/15 00:00

Client ID: DUP01_060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: None

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Calcium, Dissolved	281		mg/l	3.00	0.640	20	06/08/15 14:12	06/09/15 16:20	EPA 3005A	1,6020A	BM
Chromium, Dissolved	0.0026		mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Cobalt, Dissolved	0.0008	J	mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Copper, Dissolved	0.0112		mg/l	0.0010	0.0003	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Iron, Dissolved	0.099		mg/l	0.050	0.012	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Lead, Dissolved	0.0008	J	mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Magnesium, Dissolved	148		mg/l	1.40	0.446	20	06/08/15 14:12	06/09/15 16:20	EPA 3005A	1,6020A	BM
Manganese, Dissolved	0.2949		mg/l	0.0010	0.0003	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/08/15 14:11	06/08/15 23:24	EPA 7470A	1,7470A	EA
Nickel, Dissolved	0.0041		mg/l	0.0020	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Potassium, Dissolved	44.3		mg/l	2.00	0.386	20	06/08/15 14:12	06/09/15 16:20	EPA 3005A	1,6020A	BM
Selenium, Dissolved	0.004	J	mg/l	0.005	0.001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Sodium, Dissolved	616		mg/l	6.00	0.322	20	06/08/15 14:12	06/09/15 16:20	EPA 3005A	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Vanadium, Dissolved	0.0017	J	mg/l	0.0050	0.0006	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM
Zinc, Dissolved	0.0179		mg/l	0.0100	0.0026	1	06/08/15 14:12	06/09/15 16:17	EPA 3005A	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04,07-08 Batch: WG790631-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	06/04/15 09:49	06/04/15 18:52	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 02-04 Batch: WG790665-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/04/15 11:01	06/04/15 19:21	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01-04,08 Batch: WG791560-1										
Aluminum, Dissolved	0.005	J	mg/l	0.010	0.002	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Antimony, Dissolved	0.0005	J	mg/l	0.0030	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Arsenic, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Barium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Beryllium, Dissolved	ND		mg/l	0.0005	0.0002	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Cadmium, Dissolved	ND		mg/l	0.0002	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Calcium, Dissolved	ND		mg/l	0.150	0.032	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Chromium, Dissolved	0.0013	J	mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Cobalt, Dissolved	ND		mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Copper, Dissolved	ND		mg/l	0.0020	0.0003	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Iron, Dissolved	ND		mg/l	0.050	0.012	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Lead, Dissolved	ND		mg/l	0.0010	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Magnesium, Dissolved	ND		mg/l	0.070	0.022	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Manganese, Dissolved	ND		mg/l	0.0010	0.0003	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Nickel, Dissolved	0.0003	J	mg/l	0.0020	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Potassium, Dissolved	0.051	J	mg/l	0.100	0.019	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Selenium, Dissolved	ND		mg/l	0.005	0.001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Silver, Dissolved	ND		mg/l	0.0004	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Sodium, Dissolved	0.106	J	mg/l	0.300	0.016	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Thallium, Dissolved	ND		mg/l	0.0005	0.0001	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Vanadium, Dissolved	ND		mg/l	0.0050	0.0006	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM
Zinc, Dissolved	0.0026	J	mg/l	0.0100	0.0026	1	06/08/15 14:12	06/09/15 15:55	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Westborough Lab for sample(s): 01,08 Batch: WG791595-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00006	1	06/08/15 14:11	06/08/15 23:11	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Westborough Lab for sample(s): 01-04,07-08 Batch: WG791918-1										
Aluminum, Total	0.003	J	mg/l	0.010	0.002	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Antimony, Total	ND		mg/l	0.0030	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Arsenic, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Barium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Beryllium, Total	ND		mg/l	0.0005	0.0002	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Cadmium, Total	ND		mg/l	0.0002	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Calcium, Total	ND		mg/l	0.150	0.032	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Chromium, Total	0.0004	J	mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Cobalt, Total	ND		mg/l	0.0010	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Copper, Total	ND		mg/l	0.0020	0.0003	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Iron, Total	ND		mg/l	0.050	0.012	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Lead, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Magnesium, Total	ND		mg/l	0.070	0.022	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Manganese, Total	ND		mg/l	0.0010	0.0003	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512315

Project Number: 170361501 **Report Date:** 06/10/15

Method Blank Analysis
Batch Quality Control

Nickel, Total	ND		mg/l	0.0020	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Potassium, Total	ND		mg/l	0.100	0.019	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Selenium, Total	ND		mg/l	0.005	0.001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Silver, Total	ND		mg/l	0.0004	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Sodium, Total	0.094	J	mg/l	0.300	0.016	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Thallium, Total	ND		mg/l	0.0005	0.0001	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Vanadium, Total	ND		mg/l	0.0050	0.0006	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM
Zinc, Total	ND		mg/l	0.0100	0.0026	1	06/09/15 17:43	06/09/15 18:27	1,6020A	BM

Prep Information

Digestion Method: EPA 3005A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG790631-2								
Mercury, Total	112		-		80-120	-		
Dissolved Metals - Westborough Lab Associated sample(s): 02-04 Batch: WG790665-2								
Mercury, Dissolved	112		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04,08 Batch: WG791560-2					
Aluminum, Dissolved	112	-	80-120	-	
Antimony, Dissolved	108	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	107	-	80-120	-	
Beryllium, Dissolved	111	-	80-120	-	
Cadmium, Dissolved	112	-	80-120	-	
Calcium, Dissolved	114	-	80-120	-	
Chromium, Dissolved	108	-	80-120	-	
Cobalt, Dissolved	115	-	80-120	-	
Copper, Dissolved	113	-	80-120	-	
Iron, Dissolved	115	-	80-120	-	
Lead, Dissolved	108	-	80-120	-	
Magnesium, Dissolved	109	-	80-120	-	
Manganese, Dissolved	112	-	80-120	-	
Nickel, Dissolved	107	-	80-120	-	
Potassium, Dissolved	107	-	80-120	-	
Selenium, Dissolved	117	-	80-120	-	
Silver, Dissolved	115	-	80-120	-	
Sodium, Dissolved	114	-	80-120	-	
Thallium, Dissolved	103	-	80-120	-	
Vanadium, Dissolved	109	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04,08 Batch: WG791560-2					
Zinc, Dissolved	116	-	80-120	-	
Dissolved Metals - Westborough Lab Associated sample(s): 01,08 Batch: WG791595-2					
Mercury, Dissolved	116	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791918-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	112	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	110	-	80-120	-	
Beryllium, Total	114	-	80-120	-	
Cadmium, Total	120	-	80-120	-	
Calcium, Total	85	-	80-120	-	
Chromium, Total	109	-	80-120	-	
Cobalt, Total	115	-	80-120	-	
Copper, Total	114	-	80-120	-	
Iron, Total	119	-	80-120	-	
Lead, Total	113	-	80-120	-	
Magnesium, Total	115	-	80-120	-	
Manganese, Total	111	-	80-120	-	
Nickel, Total	112	-	80-120	-	
Potassium, Total	113	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	118	-	80-120	-	
Thallium, Total	106	-	80-120	-	
Vanadium, Total	117	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG791918-2					
Zinc, Total	113	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG790631-4 QC Sample: L1511963-04 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00520	104		-	-		75-125	-		20
Dissolved Metals - Westborough Lab Associated sample(s): 02-04 QC Batch ID: WG790665-4 QC Sample: L1512315-01 Client ID: MW01_060315												
Mercury, Dissolved	ND	0.005	0.00505	101		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG791560-4 QC Sample: L1512315-01 Client ID: MW01_060315										
Aluminum, Dissolved	0.006J	2	2.34	117		-	-	75-125	-	20
Antimony, Dissolved	0.0028J	0.5	0.5900	118		-	-	75-125	-	20
Arsenic, Dissolved	0.0016	0.12	0.1509	124		-	-	75-125	-	20
Barium, Dissolved	0.1662	2	2.491	116		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.0582	116		-	-	75-125	-	20
Cadmium, Dissolved	0.0002J	0.051	0.0585	115		-	-	75-125	-	20
Calcium, Dissolved	315.	10	293	**0**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.0478	0.2	0.2378	95		-	-	75-125	-	20
Cobalt, Dissolved	0.0018	0.5	0.5857	117		-	-	75-125	-	20
Copper, Dissolved	0.0139	0.25	0.3119	119		-	-	75-125	-	20
Iron, Dissolved	0.267	1	1.04	77		-	-	75-125	-	20
Lead, Dissolved	0.0009J	0.51	0.5811	114		-	-	75-125	-	20
Magnesium, Dissolved	157.	10	168	110		-	-	75-125	-	20
Manganese, Dissolved	0.3434	0.5	0.8070	93		-	-	75-125	-	20
Nickel, Dissolved	0.0337	0.5	0.5728	108		-	-	75-125	-	20
Potassium, Dissolved	48.2	10	55.0	**68**	Q	-	-	75-125	-	20
Selenium, Dissolved	0.003J	0.12	0.170	**142**	Q	-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.0548	110		-	-	75-125	-	20
Sodium, Dissolved	641.	10	656	**150**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1282	107		-	-	75-125	-	20
Vanadium, Dissolved	0.0023J	0.5	0.5906	118		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG791560-4 QC Sample: L1512315-01 Client ID: MW01_060315									
Zinc, Dissolved	0.0182	0.5	0.6250	121	-	-	75-125	-	20
Dissolved Metals - Westborough Lab Associated sample(s): 01,08 QC Batch ID: WG791595-4 QC Sample: L1512315-01 Client ID: MW01_060315									
Mercury, Dissolved	ND	0.005	0.00527	105	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG791918-4 QC Sample: L1512315-01 Client ID: MW01_060315										
Aluminum, Total	0.015	2	2.29	114		-	-	75-125	-	20
Antimony, Total	0.0014J	0.5	0.5529	110		-	-	75-125	-	20
Arsenic, Total	0.0010	0.12	0.1403	116		-	-	75-125	-	20
Barium, Total	0.1649	2	2.204	102		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0518	104		-	-	75-125	-	20
Cadmium, Total	0.0001J	0.051	0.0603	118		-	-	75-125	-	20
Calcium, Total	303.	10	288	**0**	Q	-	-	75-125	-	20
Chromium, Total	0.0018J	0.2	0.2123	106		-	-	75-125	-	20
Cobalt, Total	0.0009J	0.5	0.5046	101		-	-	75-125	-	20
Copper, Total	0.0122	0.25	0.2710	104		-	-	75-125	-	20
Iron, Total	0.168	1	1.33	116		-	-	75-125	-	20
Lead, Total	0.0017	0.51	0.5384	105		-	-	75-125	-	20
Magnesium, Total	160.	10	163	**30**	Q	-	-	75-125	-	20
Manganese, Total	0.2926	0.5	0.8140	104		-	-	75-125	-	20
Nickel, Total	0.0040	0.5	0.5203	103		-	-	75-125	-	20
Potassium, Total	49.0	10	54.2	**52**	Q	-	-	75-125	-	20
Selenium, Total	0.004J	0.12	0.143	119		-	-	75-125	-	20
Silver, Total	0.0001J	0.05	0.0542	108		-	-	75-125	-	20
Sodium, Total	670.	10	632	**0**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1230	102		-	-	75-125	-	20
Vanadium, Total	0.0019J	0.5	0.5547	111		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG791918-4 QC Sample: L1512315-01 Client ID: MW01_060315									
Zinc, Total	0.0165	0.5	0.5534	107	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG790631-3 QC Sample: L1511963-04 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Dissolved Metals - Westborough Lab Associated sample(s): 02-04 QC Batch ID: WG790665-3 QC Sample: L1512315-01 Client ID: MW01_060315						
Mercury, Dissolved	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG791560-3 QC Sample: L1512315-01 Client ID: MW01_060315					
Aluminum, Dissolved	0.006J	0.004J	mg/l	NC	20
Antimony, Dissolved	0.0028J	0.0026J	mg/l	NC	20
Arsenic, Dissolved	0.0016	0.0013	mg/l	15	20
Barium, Dissolved	0.1662	0.1699	mg/l	2	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	0.0002J	0.0001J	mg/l	NC	20
Chromium, Dissolved	0.0478	0.0428	mg/l	11	20
Cobalt, Dissolved	0.0018	0.0016	mg/l	12	20
Copper, Dissolved	0.0139	0.0136	mg/l	2	20
Iron, Dissolved	0.267	0.256	mg/l	4	20
Lead, Dissolved	0.0009J	0.0008J	mg/l	NC	20
Manganese, Dissolved	0.3434	0.3269	mg/l	5	20
Nickel, Dissolved	0.0337	0.0303	mg/l	11	20
Selenium, Dissolved	0.003J	0.006	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	ND	ND	mg/l	NC	20
Vanadium, Dissolved	0.0023J	0.0023J	mg/l	NC	20
Zinc, Dissolved	0.0182	0.0183	mg/l	0	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Westborough Lab Associated sample(s): 01-04,08 QC Batch ID: WG791560-3 QC Sample: L1512315-01 Client ID: MW01_060315					
Calcium, Dissolved	315.	311	mg/l	1	20
Magnesium, Dissolved	157.	160	mg/l	2	20
Potassium, Dissolved	48.2	50.9	mg/l	5	20
Sodium, Dissolved	641.	655	mg/l	2	20
Dissolved Metals - Westborough Lab Associated sample(s): 01,08 QC Batch ID: WG791595-3 QC Sample: L1512315-01 Client ID: MW01_060315					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG791918-3 QC Sample: L1512315-01 Client ID: MW01_060315						
Aluminum, Total	0.015	0.012	mg/l	**21**	Q	20
Antimony, Total	0.0014J	0.0015J	mg/l	NC		20
Arsenic, Total	0.0010	0.0009	mg/l	20		20
Barium, Total	0.1649	0.1597	mg/l	3		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.0001J	0.0001J	mg/l	NC		20
Chromium, Total	0.0018J	0.0017J	mg/l	NC		20
Cobalt, Total	0.0009J	0.0009J	mg/l	NC		20
Copper, Total	0.0122	0.0125	mg/l	2		20
Iron, Total	0.168	0.118	mg/l	**35**	Q	20
Lead, Total	0.0017	0.0016	mg/l	6		20
Manganese, Total	0.2926	0.2813	mg/l	4		20
Nickel, Total	0.0040	0.0046	mg/l	13		20
Selenium, Total	0.004J	0.006	mg/l	NC		20
Silver, Total	0.0001J	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	0.0019J	0.0021J	mg/l	NC		20
Zinc, Total	0.0165	0.0147	mg/l	11		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG791918-3 QC Sample: L1512315-01 Client ID: MW01_060315					
Calcium, Total	303.	293	mg/l	3	20
Magnesium, Total	160.	160	mg/l	0	20
Potassium, Total	49.0	46.9	mg/l	4	20
Sodium, Total	670.	662	mg/l	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-01
Client ID: MW01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water

Date Collected: 06/03/15 10:00
Date Received: 06/03/15
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/04/15 03:25	06/04/15 03:59	1,7196A	LH

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-02
Client ID: MW02_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water

Date Collected: 06/03/15 13:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/04/15 03:25	06/04/15 04:00	1,7196A	LH

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-03
Client ID: MW03_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water

Date Collected: 06/03/15 12:50
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/04/15 03:25	06/04/15 04:01	1,7196A	LH

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-04
Client ID: MW04_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water

Date Collected: 06/03/15 15:25
Date Received: 06/03/15
Field Prep: Field Filtered (Metals)

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/04/15 03:25	06/04/15 04:01	1,7196A	LH

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-07
Client ID: FB01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water

Date Collected: 06/03/15 10:45
Date Received: 06/03/15
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/04/15 03:25	06/04/15 04:01	1,7196A	LH

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512315-08
Client ID: DUP01_060315
Sample Location: 440 WASHINGTON ST.
Matrix: Water

Date Collected: 06/03/15 00:00
Date Received: 06/03/15
Field Prep: None

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/04/15 03:25	06/04/15 04:02	1,7196A	LH

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512315
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-04,07-08 Batch: WG790584-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	06/04/15 03:25	06/04/15 03:58	1,7196A	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512315

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,07-08 Batch: WG790584-2								
Chromium, Hexavalent	95		-		85-115	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG790584-4 QC Sample: L1512315-01 Client ID: MW01_060315												
Chromium, Hexavalent	ND	0.1	0.098	98		-	-		85-115	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04,07-08 QC Batch ID: WG790584-3 QC Sample: L1512315-01 Client ID: MW01_060315						
Chromium, Hexavalent	ND	ND	mg/l	NC		20

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512315-01A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-01B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-01C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-01D	Plastic 250ml HNO3 preserved	B	<2	4.2	Y	Absent	HOLD-METAL(180)
L1512315-01E	Plastic 250ml HNO3 preserved	B	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1512315-01F	Plastic 250ml unpreserved	B	8	4.2	Y	Absent	HEXCR-7196(1)
L1512315-01G	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-01H	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-01I	Amber 500ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8081(7)
L1512315-01J	Amber 500ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8081(7)
L1512315-01K	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-01L	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512315-01X	Plastic 120ml HNO3 preserved spl	B	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L1512315-02A	Vial HCl preserved	C	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1512315-02B	Vial HCl preserved	C	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1512315-02C	Vial HCl preserved	C	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1512315-02D	Plastic 250ml HNO3 preserved	C	<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)
L1512315-02E	Plastic 250ml HNO3 preserved	C	<2	2.6	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)
L1512315-02F	Plastic 250ml unpreserved	C	8	2.6	Y	Absent	HEXCR-7196(1)
L1512315-02G	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-02H	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-02I	Amber 500ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8081(7)
L1512315-02J	Amber 500ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8081(7)
L1512315-02K	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-02L	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-03A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1512315-03B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512315-03C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1512315-03D	Plastic 250ml HNO3 preserved	A	<2	3.3	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)
L1512315-03E	Plastic 250ml HNO3 preserved	A	<2	3.3	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)
L1512315-03F	Plastic 250ml unpreserved	A	8	3.3	Y	Absent	HEXCR-7196(1)
L1512315-03G	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-03H	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-03I	Amber 500ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8081(7)
L1512315-03J	Amber 500ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8081(7)
L1512315-03K	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-03L	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-04A	Vial HCl preserved	C	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1512315-04B	Vial HCl preserved	C	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1512315-04C	Vial HCl preserved	C	N/A	2.6	Y	Absent	NYTCL-8260(14)
L1512315-04D	Plastic 250ml HNO3 preserved	C	<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)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512315-04E	Plastic 250ml HNO3 preserved	C	<2	2.6	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)
L1512315-04F	Plastic 250ml unpreserved	C	8	2.6	Y	Absent	HEXCR-7196(1)
L1512315-04G	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-04H	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-04I	Amber 500ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8081(7)
L1512315-04J	Amber 500ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8081(7)
L1512315-04K	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-04L	Amber 1000ml unpreserved	C	8	2.6	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-05A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-05B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-06A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1512315-06B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1512315-07A	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1512315-07B	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1512315-07C	Vial HCl preserved	A	N/A	3.3	Y	Absent	NYTCL-8260(14)
L1512315-07D	Plastic 250ml HNO3 preserved spl	A	<2	3.3	Y	Absent	HOLD-CONTINGENCY(7)
L1512315-07E	Plastic 250ml HNO3 preserved	A	<2	3.3	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)
L1512315-07F	Plastic 250ml unpreserved	A	8	3.3	Y	Absent	HEXCR-7196(1)
L1512315-07G	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-07H	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-07I	Amber 500ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8081(7)
L1512315-07J	Amber 500ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512315
Report Date: 06/10/15

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512315-07K	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-07L	Amber 1000ml unpreserved	A	8	3.3	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-08A	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-08B	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-08C	Vial HCl preserved	B	N/A	4.2	Y	Absent	NYTCL-8260(14)
L1512315-08D	Plastic 250ml HNO3 preserved	B	<2	4.2	Y	Absent	BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),MG-6020T(180),CO-6020T(180)
L1512315-08E	Plastic 250ml HNO3 preserved spl	B	<2	4.2	Y	Absent	HOLD-METAL(180)
L1512315-08F	Plastic 250ml unpreserved	B	8	4.2	Y	Absent	HEXCR-7196(1)
L1512315-08G	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-08H	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8082-1200ML(7)
L1512315-08I	Amber 500ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8081(7)
L1512315-08J	Amber 500ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8081(7)
L1512315-08K	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-08L	Amber 1000ml unpreserved	B	8	4.2	Y	Absent	NYTCL-8270(7),NYTCL-8270-SIM(7)
L1512315-08X	Plastic 120ml HNO3 preserved spl	B	<2	4.2	Y	Absent	CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),BE-6020S(180),CO-6020S(180),MG-6020S(180),ZN-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),TL-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)

*Values in parentheses indicate holding time in days

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512315
Project Number:	170361501	**Report Date:**	06/10/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
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.

Footnotes

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

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: DU Report with 'J' Qualifiers

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512315
Project Number:	170361501	**Report Date:**	06/10/15

Data Qualifiers

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: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512315
Report Date: 06/10/15

REFERENCES

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

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

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

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 1 of 1

Date Rec'd in Lab: 6/4/15

ALPHA Job #: L1517315

Client Information

Client: Langan
Address: 21 Penn Plaza, 5th Fl
Manhattan, NY
Phone:
Fax:
Email: dearns@langan.com

Project Information

Project Name: 440 Washington St
Project Location: "
Project #: 170301561
(Use Project name as Project #) ☐
Project Manager: Brian Gothelow
ALPHAQuote #:

Turn-Around Time

Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables

☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Disposal Site Information

Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☐ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs SVOCs Pest PCB, Target	Tal metals total + Dissolve	Hex Chrom	VOC					Sample Specific Comments	Total Bottle
12315-01	MW01_060315	0603	10:00	W	DH	X	X	X							
02	MW02_060315		1325	W	DH	X	X	X							
03	MW03_060315		1250	W	DH	X	X	X							
04	MW04_060315		1525	W	DH	X	X	X	X DUP						
05	TB01_060315	-	-	-	-				X						
06	TB02_060315	-	-	-	-				X						
07	FB01_060315	0603	10:45	-		X	X	X							
08	DUP01_060315	0603	-	W	DH	X	X	X							

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type													
Preservative													

Relinquished By:	Date/Time	Received By:	Date/Time
	6/3/15 17:50	David Hallal (AAL)	6/3/15 17:52
David Hallal	6/3/15 1940	Tom Tobin	6-3-15 1940
Tom Tobin	6/4/15 0040		6/4/15 0040

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L1512324
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Brian Gochenaur
Phone:	(212) 479-5590
Project Name:	440 WASHINGTON ST.
Project Number:	170361501
Report Date:	06/10/15

Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1512324-01	SV01-060315	SOIL_VAPOR	440 WASHINGTON ST.	06/03/15 13:45	06/03/15
L1512324-02	SV02-060315	SOIL_VAPOR	440 WASHINGTON ST.	06/03/15 14:05	06/03/15
L1512324-03	SV03-060315	SOIL_VAPOR	440 WASHINGTON ST.	06/03/15 12:20	06/03/15
L1512324-04	SV04-060315	SOIL_VAPOR	440 WASHINGTON ST.	06/03/15 13:10	06/03/15
L1512324-05	AA01-060315	AIR	440 WASHINGTON ST.	06/03/15 13:20	06/03/15

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512324
Project Number: 170361501 **Report Date:** 06/10/15

Case Narrative

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

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

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

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

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

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

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512324
Project Number: 170361501 **Report Date:** 06/10/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on June 3, 2015. The canister certification results are provided as an addendum.

Sample L1512324-01 has elevated detection limits due to the dilution required by the elevated concentrations of target compounds in the sample.

Sample L1512324-02 results for Isopropyl Alcohol and Tetrahydrofuran should be considered estimated due to co-elution with a non-target peak.

Sample L1512324-04 The presence of Tetrahydrofuran could not be determined in this sample due to a non-target compound interfering with the identification and quantification of this compound.

Sample Receipt

The sample designated SV01-060315 (L1512324-01) had a RPD for the pre- and post-flow controller calibration check (23% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 38.2 mL/minute; the final flow rate was 48 mL/minute. The final pressure recorded by the laboratory of the associated canister was -7.8 inches of mercury.

The sample designated SV02-060315 (L1512324-02) had a RPD for the pre- and post-flow controller calibration check (69% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 39.9 mL/minute; the final flow rate was 82 mL/minute. The final pressure recorded by the laboratory of the associated canister was -7.1 inches of mercury.

The sample designated AA01-060315 (L1512324-05) had a RPD for the pre- and post-flow controller calibration check (42% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 39.1 mL/minute; the final flow rate was 60 mL/minute. The final pressure recorded by the laboratory of the associated canister was -5.4 inches of mercury.

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

Authorized Signature: Christopher J. Anderson

Title: Technical Director/Representative Date: 06/10/15

AIR

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-01 D
Client ID: SV01-060315
Sample Location: 440 WASHINGTON ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/15 20:34
Analyst: RY

Date Collected: 06/03/15 13:45
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.452	0.400	--	2.24	1.98	--		2
Chloromethane	1.02	0.400	--	2.11	0.826	--		2
Freon-114	ND	0.400	--	ND	2.80	--		2
Vinyl chloride	ND	0.400	--	ND	1.02	--		2
1,3-Butadiene	ND	0.400	--	ND	0.885	--		2
Bromomethane	ND	0.400	--	ND	1.55	--		2
Chloroethane	ND	0.400	--	ND	1.06	--		2
Ethanol	229	5.00	--	431	9.42	--		2
Vinyl bromide	ND	0.400	--	ND	1.75	--		2
Acetone	54.3	2.00	--	129	4.75	--		2
Trichlorofluoromethane	ND	0.400	--	ND	2.25	--		2
Isopropanol	199	1.00	--	489	2.46	--		2
1,1-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Tertiary butyl Alcohol	1.72	1.00	--	5.21	3.03	--		2
Methylene chloride	2.03	1.00	--	7.05	3.47	--		2
3-Chloropropene	ND	0.400	--	ND	1.25	--		2
Carbon disulfide	ND	0.400	--	ND	1.25	--		2
Freon-113	ND	0.400	--	ND	3.07	--		2
trans-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
1,1-Dichloroethane	ND	0.400	--	ND	1.62	--		2
Methyl tert butyl ether	ND	0.400	--	ND	1.44	--		2
2-Butanone	4.25	1.00	--	12.5	2.95	--		2
cis-1,2-Dichloroethene	ND	0.400	--	ND	1.59	--		2
Ethyl Acetate	ND	1.00	--	ND	3.60	--		2

Project Name: 440 WASHINGTON ST. ***Lab Number:*** L1512324

Project Number: 170361501 ***Report Date:*** 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-01 D Date Collected: 06/03/15 13:45

Client ID: SV01-060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.400	--	ND	1.95	--		2
Tetrahydrofuran	1.04	1.00	--	3.07	2.95	--		2
1,2-Dichloroethane	ND	0.400	--	ND	1.62	--		2
n-Hexane	1.69	0.400	--	5.96	1.41	--		2
1,1,1-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Benzene	0.752	0.400	--	2.40	1.28	--		2
Carbon tetrachloride	ND	0.400	--	ND	2.52	--		2
Cyclohexane	10.6	0.400	--	36.5	1.38	--		2
1,2-Dichloropropane	ND	0.400	--	ND	1.85	--		2
Bromodichloromethane	ND	0.400	--	ND	2.68	--		2
1,4-Dioxane	ND	0.400	--	ND	1.44	--		2
Trichloroethene	ND	0.400	--	ND	2.15	--		2
2,2,4-Trimethylpentane	2.81	0.400	--	13.1	1.87	--		2
Heptane	1.12	0.400	--	4.59	1.64	--		2
cis-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
4-Methyl-2-pentanone	ND	1.00	--	ND	4.10	--		2
trans-1,3-Dichloropropene	ND	0.400	--	ND	1.82	--		2
1,1,2-Trichloroethane	ND	0.400	--	ND	2.18	--		2
Toluene	4.47	0.400	--	16.8	1.51	--		2
2-Hexanone	ND	0.400	--	ND	1.64	--		2
Dibromochloromethane	ND	0.400	--	ND	3.41	--		2
1,2-Dibromoethane	ND	0.400	--	ND	3.07	--		2
Tetrachloroethene	ND	0.400	--	ND	2.71	--		2
Chlorobenzene	ND	0.400	--	ND	1.84	--		2
Ethylbenzene	1.26	0.400	--	5.47	1.74	--		2
p/m-Xylene	4.62	0.800	--	20.1	3.47	--		2
Bromoform	ND	0.400	--	ND	4.14	--		2
Styrene	ND	0.400	--	ND	1.70	--		2

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-01 D
Client ID: SV01-060315
Sample Location: 440 WASHINGTON ST.

Date Collected: 06/03/15 13:45
Date Received: 06/03/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.400	--	ND	2.75	--		2
o-Xylene	1.83	0.400	--	7.95	1.74	--		2
4-Ethyltoluene	ND	0.400	--	ND	1.97	--		2
1,3,5-Trimethylbenzene	0.466	0.400	--	2.29	1.97	--		2
1,2,4-Trimethylbenzene	1.57	0.400	--	7.72	1.97	--		2
Benzyl chloride	ND	0.400	--	ND	2.07	--		2
1,3-Dichlorobenzene	3.29	0.400	--	19.8	2.40	--		2
1,4-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2-Dichlorobenzene	ND	0.400	--	ND	2.40	--		2
1,2,4-Trichlorobenzene	ND	0.400	--	ND	2.97	--		2
Hexachlorobutadiene	ND	0.400	--	ND	4.27	--		2

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	87		60-140

Project Name: 440 WASHINGTON ST. ***Lab Number:*** L1512324

Project Number: 170361501 ***Report Date:*** 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-02
Client ID: SV02-060315
Sample Location: 440 WASHINGTON ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/15 21:08
Analyst: RY

Date Collected: 06/03/15 14:05
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.489	0.200	--	2.42	0.989	--		1
Chloromethane	0.770	0.200	--	1.59	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	25.7	2.50	--	48.4	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	96.0	1.00	--	228	2.38	--		1
Trichlorofluoromethane	0.688	0.200	--	3.87	1.12	--		1
Isopropanol	0.998	0.500	--	2.45	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	26.3	0.500	--	79.7	1.52	--		1
Methylene chloride	4.37	0.500	--	15.2	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	7.39	0.200	--	23.0	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	4.75	0.500	--	14.0	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: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-02
Client ID: SV02-060315
Sample Location: 440 WASHINGTON ST.

Date Collected: 06/03/15 14:05
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	6.72	0.200	--	32.8	0.977	--		1
Tetrahydrofuran	0.586	0.500	--	1.73	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.30	0.200	--	11.6	0.705	--		1
1,1,1-Trichloroethane	0.300	0.200	--	1.64	1.09	--		1
Benzene	2.14	0.200	--	6.84	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.87	0.200	--	9.88	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	2.10	0.200	--	8.61	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	1.94	0.500	--	7.95	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	19.1	0.200	--	72.0	0.754	--		1
2-Hexanone	0.315	0.200	--	1.29	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.26	0.200	--	8.54	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.98	0.200	--	12.9	0.869	--		1
p/m-Xylene	12.2	0.400	--	53.0	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	5.59	0.200	--	23.8	0.852	--		1

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-02
Client ID: SV02-060315
Sample Location: 440 WASHINGTON ST.
Date Collected: 06/03/15 14:05
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.00	0.200	--	21.7	0.869	--		1
4-Ethyltoluene	1.30	0.200	--	6.39	0.983	--		1
1,3,5-Trimethylbenzene	1.94	0.200	--	9.54	0.983	--		1
1,2,4-Trimethylbenzene	6.09	0.200	--	29.9	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.394	0.200	--	2.37	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	85		60-140

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-03
Client ID: SV03-060315
Sample Location: 440 WASHINGTON ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/15 21:42
Analyst: RY

Date Collected: 06/03/15 12:20
Date Received: 06/03/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.345	0.200	--	1.71	0.989	--		1
Chloromethane	1.37	0.200	--	2.83	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	120	2.50	--	226	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	71.4	1.00	--	170	2.38	--		1
Trichlorofluoromethane	1.33	0.200	--	7.47	1.12	--		1
Isopropanol	3.17	0.500	--	7.79	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	14.2	0.500	--	43.0	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.356	0.200	--	1.11	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	1.88	0.500	--	5.54	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: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-03
Client ID: SV03-060315
Sample Location: 440 WASHINGTON ST.
Date Collected: 06/03/15 12:20
Date Received: 06/03/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	0.965	0.200	--	4.71	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	0.734	0.200	--	2.59	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.895	0.200	--	2.86	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.758	0.200	--	2.61	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	0.611	0.200	--	2.85	0.934	--		1
Heptane	0.668	0.200	--	2.74	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	2.31	0.200	--	8.71	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	3.70	0.200	--	25.1	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	0.334	0.200	--	1.45	0.869	--		1
p/m-Xylene	1.18	0.400	--	5.13	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.666	0.200	--	2.84	0.852	--		1

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-03
Client ID: SV03-060315
Sample Location: 440 WASHINGTON ST.
Date Collected: 06/03/15 12:20
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	0.479	0.200	--	2.08	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	0.422	0.200	--	2.07	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	0.487	0.200	--	2.93	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	88		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	85		60-140

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-04
Client ID: SV04-060315
Sample Location: 440 WASHINGTON ST.
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 06/05/15 22:17
Analyst: RY

Date Collected: 06/03/15 13:10
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.283	0.200	--	1.40	0.989	--		1
Chloromethane	0.489	0.200	--	1.01	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	11.6	2.50	--	21.9	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	72.8	1.00	--	173	2.38	--		1
Trichlorofluoromethane	0.290	0.200	--	1.63	1.12	--		1
Isopropanol	2.00	0.500	--	4.92	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	20.8	0.500	--	63.1	1.52	--		1
Methylene chloride	1.99	0.500	--	6.91	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	4.48	0.500	--	13.2	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: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-04
Client ID: SV04-060315
Sample Location: 440 WASHINGTON ST.

Date Collected: 06/03/15 13:10
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	Results	RL	MDL	Results	RL	MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chloroform	6.91	0.200	--	33.7	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	3.66	0.200	--	12.9	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	0.517	0.200	--	1.65	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.370	0.200	--	1.27	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	0.494	0.200	--	3.31	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	1.33	0.200	--	6.21	0.934	--		1
Heptane	2.50	0.200	--	10.2	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	2.36	0.500	--	9.67	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	5.47	0.200	--	20.6	0.754	--		1
2-Hexanone	0.735	0.200	--	3.01	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.258	0.200	--	1.75	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	2.47	0.200	--	10.7	0.869	--		1
p/m-Xylene	10.8	0.400	--	46.9	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	5.18	0.200	--	22.1	0.852	--		1

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-04
Client ID: SV04-060315
Sample Location: 440 WASHINGTON ST.

Date Collected: 06/03/15 13:10
Date Received: 06/03/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	5.89	0.200	--	25.6	0.869	--		1
4-Ethyltoluene	2.02	0.200	--	9.93	0.983	--		1
1,3,5-Trimethylbenzene	4.34	0.200	--	21.3	0.983	--		1
1,2,4-Trimethylbenzene	12.0	0.200	--	59.0	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	88		60-140
chlorobenzene-d5	86		60-140

Project Name: 440 WASHINGTON ST. ***Lab Number:*** L1512324

Project Number: 170361501 ***Report Date:*** 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-05
Client ID: AA01-060315
Sample Location: 440 WASHINGTON ST.
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 06/05/15 20:02
Analyst: RY

Date Collected: 06/03/15 13:20
Date Received: 06/03/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.556	0.200	--	2.75	0.989	--		1
Chloromethane	0.514	0.200	--	1.06	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	9.05	2.50	--	17.1	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	3.04	1.00	--	7.22	2.38	--		1
Trichlorofluoromethane	0.258	0.200	--	1.45	1.12	--		1
Isopropanol	0.619	0.500	--	1.52	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	2.18	0.500	--	7.57	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
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1

Project Name: 440 WASHINGTON ST. ***Lab Number:*** L1512324

Project Number: 170361501 ***Report Date:*** 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-05 Date Collected: 06/03/15 13:20

Client ID: AA01-060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	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	0.295	0.200	--	1.38	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	0.450	0.200	--	1.70	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
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1

Project Name: 440 WASHINGTON ST. **Lab Number:** L1512324

Project Number: 170361501 **Report Date:** 06/10/15

SAMPLE RESULTS

Lab ID: L1512324-05 Date Collected: 06/03/15 13:20

Client ID: AA01-060315 Date Received: 06/03/15

Sample Location: 440 WASHINGTON ST. Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	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

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140

Project Name: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512324
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/05/15 13:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG791121-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
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: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512324
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/05/15 13:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG791121-4								
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: 440 WASHINGTON ST.
Project Number: 170361501
Lab Number: L1512324
Report Date: 06/10/15

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 06/05/15 13:53

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG791121-4								
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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512324

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG791121-3								
Chlorodifluoromethane	91		-		70-130	-		
Propylene	96		-		70-130	-		
Dichlorodifluoromethane	93		-		70-130	-		
Chloromethane	98		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	108		-		70-130	-		
Methanol	87		-		70-130	-		
Vinyl chloride	106		-		70-130	-		
1,3-Butadiene	103		-		70-130	-		
Butane	92		-		70-130	-		
Bromomethane	109		-		70-130	-		
Chloroethane	100		-		70-130	-		
Ethyl Alcohol	96		-		70-130	-		
Dichlorofluoromethane	94		-		70-130	-		
Vinyl bromide	106		-		70-130	-		
Acrolein	93		-		70-130	-		
Acetone	101		-		70-130	-		
Acetonitrile	89		-		70-130	-		
Trichlorofluoromethane	112		-		70-130	-		
iso-Propyl Alcohol	105		-		70-130	-		
Acrylonitrile	89		-		70-130	-		
Pentane	90		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512324

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG791121-3								
Ethyl ether	84		-		70-130	-		
1,1-Dichloroethene	105		-		70-130	-		
tert-Butyl Alcohol	99		-		70-130	-		
Methylene chloride	100		-		70-130	-		
3-Chloropropene	104		-		70-130	-		
Carbon disulfide	102		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	110		-		70-130	-		
trans-1,2-Dichloroethene	93		-		70-130	-		
1,1-Dichloroethane	103		-		70-130	-		
Methyl tert butyl ether	103		-		70-130	-		
Vinyl acetate	**197**	Q	-		70-130	-		
2-Butanone	97		-		70-130	-		
cis-1,2-Dichloroethene	113		-		70-130	-		
Ethyl Acetate	98		-		70-130	-		
Chloroform	107		-		70-130	-		
Tetrahydrofuran	90		-		70-130	-		
2,2-Dichloropropane	99		-		70-130	-		
1,2-Dichloroethane	106		-		70-130	-		
n-Hexane	87		-		70-130	-		
Isopropyl Ether	86		-		70-130	-		
Ethyl-Tert-Butyl-Ether	86		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512324

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG791121-3								
1,1,1-Trichloroethane	97		-		70-130	-		
1,1-Dichloropropene	94		-		70-130	-		
Benzene	92		-		70-130	-		
Carbon tetrachloride	101		-		70-130	-		
Cyclohexane	88		-		70-130	-		
Tertiary-Amyl Methyl Ether	86		-		70-130	-		
Dibromomethane	91		-		70-130	-		
1,2-Dichloropropane	96		-		70-130	-		
Bromodichloromethane	96		-		70-130	-		
1,4-Dioxane	95		-		70-130	-		
Trichloroethene	104		-		70-130	-		
2,2,4-Trimethylpentane	91		-		70-130	-		
Methyl Methacrylate	86		-		70-130	-		
Heptane	83		-		70-130	-		
cis-1,3-Dichloropropene	101		-		70-130	-		
4-Methyl-2-pentanone	87		-		70-130	-		
trans-1,3-Dichloropropene	86		-		70-130	-		
1,1,2-Trichloroethane	102		-		70-130	-		
Toluene	104		-		70-130	-		
1,3-Dichloropropane	97		-		70-130	-		
2-Hexanone	100		-		70-130	-		

Lab Control Sample Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG791121-3								
Dibromochloromethane	108		-		70-130	-		
1,2-Dibromoethane	109		-		70-130	-		
Butyl Acetate	86		-		70-130	-		
Octane	94		-		70-130	-		
Tetrachloroethene	109		-		70-130	-		
1,1,1,2-Tetrachloroethane	103		-		70-130	-		
Chlorobenzene	111		-		70-130	-		
Ethylbenzene	106		-		70-130	-		
p/m-Xylene	106		-		70-130	-		
Bromoform	109		-		70-130	-		
Styrene	109		-		70-130	-		
1,1,2,2-Tetrachloroethane	109		-		70-130	-		
o-Xylene	108		-		70-130	-		
1,2,3-Trichloropropane	101		-		70-130	-		
Nonane (C9)	92		-		70-130	-		
Isopropylbenzene	105		-		70-130	-		
Bromobenzene	99		-		70-130	-		
o-Chlorotoluene	105		-		70-130	-		
n-Propylbenzene	107		-		70-130	-		
p-Chlorotoluene	100		-		70-130	-		
4-Ethyltoluene	105		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 440 WASHINGTON ST.

Project Number: 170361501

Lab Number: L1512324

Report Date: 06/10/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG791121-3								
1,3,5-Trimethylbenzene	108		-		70-130	-		
tert-Butylbenzene	106		-		70-130	-		
1,2,4-Trimethylbenzene	112		-		70-130	-		
Decane (C10)	99		-		70-130	-		
Benzyl chloride	112		-		70-130	-		
1,3-Dichlorobenzene	121		-		70-130	-		
1,4-Dichlorobenzene	120		-		70-130	-		
sec-Butylbenzene	106		-		70-130	-		
p-Isopropyltoluene	101		-		70-130	-		
1,2-Dichlorobenzene	118		-		70-130	-		
n-Butylbenzene	109		-		70-130	-		
1,2-Dibromo-3-chloropropane	104		-		70-130	-		
Undecane	104		-		70-130	-		
Dodecane (C12)	118		-		70-130	-		
1,2,4-Trichlorobenzene	129		-		70-130	-		
Naphthalene	121		-		70-130	-		
1,2,3-Trichlorobenzene	125		-		70-130	-		
Hexachlorobutadiene	122		-		70-130	-		

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG791121-5 QC Sample: L1512482-01 Client ID: DUP Sample						
Dichlorodifluoromethane	0.362	0.423	ppbV	16		25
Chloromethane	0.751	0.683	ppbV	9		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	36.1	37.2	ppbV	3		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	184	186	ppbV	1		25
Trichlorofluoromethane	1.61	1.62	ppbV	1		25
iso-Propyl Alcohol	4.71	4.88	ppbV	4		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	0.318	0.290	ppbV	9		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG791121-5 QC Sample: L1512482-01 Client ID: DUP Sample					
2-Butanone	22.7	23.5	ppbV	3	25
Ethyl Acetate	0.758	0.841	ppbV	10	25
Chloroform	ND	ND	ppbV	NC	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	9.88	9.86	ppbV	0	25
Benzene	0.535	0.524	ppbV	2	25
Cyclohexane	0.566	0.581	ppbV	3	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	0.520	0.503	ppbV	3	25
Heptane	7.61	7.80	ppbV	2	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	6.07	6.21	ppbV	2	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	52.3	53.2	ppbV	2	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG791121-5 QC Sample: L1512482-01 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	4.05	4.11	ppbV	1	25
p/m-Xylene	15.7	15.7	ppbV	0	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.369	0.365	ppbV	1	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	5.02	5.03	ppbV	0	25
4-Ethyltoluene	0.381	0.384	ppbV	1	25
1,3,5-Trimethylbenzene	0.592	0.588	ppbV	1	25
1,2,4-Trimethylbenzene	1.90	1.90	ppbV	0	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 440 WASHINGTON ST.

Lab Number: L1512324

Project Number: 170361501

Report Date: 06/10/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controler Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1512324-01	SV01-060315	0356	#90 SV	06/03/15	204618		-	-	-	Pass	38.2	48	23
L1512324-01	SV01-060315	1589	6.0L Can	06/03/15	204618	L1511682-01	Pass	-29.8	-7.8	-	-	-	-
L1512324-02	SV02-060315	0290	#16 AMB	06/03/15	204618		-	-	-	Pass	39.9	82	69
L1512324-02	SV02-060315	1814	6.0L Can	06/03/15	204618	L1511682-02	Pass	-29.4	-7.1	-	-	-	-
L1512324-03	SV03-060315	0275	#90 SV	06/03/15	204618		-	-	-	Pass	40.0	36	11
L1512324-03	SV03-060315	2048	6.0L Can	06/03/15	204618	L1511682-02	Pass	-29.9	-8.9	-	-	-	-
L1512324-04	SV04-060315	0090	#30 SV	06/03/15	204618		-	-	-	Pass	39.0	38	3
L1512324-04	SV04-060315	632	6.0L Can	06/03/15	204618	L1511682-02	Pass	-29.8	-7.2	-	-	-	-
L1512324-05	AA01-060315	0154	#90 SV	06/03/15	204618		-	-	-	Pass	39.1	60	42
L1512324-05	AA01-060315	1695	6.0L Can	06/03/15	204618	L1511682-02	Pass	-29.7	-5.4	-	-	-	-

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01
Client ID: CAN 765 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/28/15 16:12
Analyst: RY

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01
Client ID: CAN 765 SHELF 52
Sample Location:

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01
Client ID: CAN 765 SHELF 52
Sample Location:

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: **Lab Number:** L1511682

Project Number: CANISTER QC BAT **Report Date:** 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01 Date Collected: 05/27/15 18:00

Client ID: CAN 765 SHELF 52 Date Received: 05/28/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name: **Lab Number:** L1511682

Project Number: CANISTER QC BAT **Report Date:** 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01 Date Collected: 05/27/15 18:00

Client ID: CAN 765 SHELF 52 Date Received: 05/28/15

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	84		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	88		60-140

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01
Client ID: CAN 765 SHELF 52
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/28/15 16:12
Analyst: RY

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	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
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
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01
Client ID: CAN 765 SHELF 52
Sample Location:

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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
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
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-01
Client ID: CAN 765 SHELF 52
Sample Location:

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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-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
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	**% Recovery**	**Qualifier**	**Acceptance Criteria**
1,4-difluorobenzene	84		60-140
bromochloromethane	90		60-140
chlorobenzene-d5	89		60-140

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02
Client ID: CAN 931 SHELF 55
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15
Analytical Date: 05/28/15 16:44
Analyst: RY

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1

Project Name: **Lab Number:** L1511682

Project Number: CANISTER QC BAT **Report Date:** 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02 Date Collected: 05/27/15 18:00

Client ID: CAN 931 SHELF 55 Date Received: 05/28/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02
Client ID: CAN 931 SHELF 55
Sample Location:

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1

Project Name: **Lab Number:** L1511682

Project Number: CANISTER QC BAT **Report Date:** 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02 Date Collected: 05/27/15 18:00

Client ID: CAN 931 SHELF 55 Date Received: 05/28/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air - Mansfield Lab								
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

	Results	**Qualifier**	**Units**	**RDL**	**Dilution Factor**
Tentatively Identified Compounds					

No Tentatively Identified Compounds

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02
Client ID: CAN 931 SHELF 55
Sample Location:

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	92		60-140
Bromochloromethane	97		60-140
chlorobenzene-d5	94		60-140

Project Name:

Lab Number: L1511682

Project Number: CANISTER QC BAT

Report Date: 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02
Client ID: CAN 931 SHELF 55
Sample Location:
Matrix: Air
Anaytical Method: 48,TO-15-SIM
Analytical Date: 05/28/15 16:44
Analyst: RY

Date Collected: 05/27/15 18:00
Date Received: 05/28/15
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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	0.020	--	ND	0.053	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	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
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
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1

Project Name: **Lab Number:** L1511682

Project Number: CANISTER QC BAT **Report Date:** 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02 Date Collected: 05/27/15 18:00

Client ID: CAN 931 SHELF 55 Date Received: 05/28/15

Sample Location: Field Prep: Not Specified

	ppbV			ug/m3				
Parameter	**Results**	**RL**	**MDL**	**Results**	**RL**	**MDL**	**Qualifier**	**Dilution Factor**
Volatile Organics in Air by SIM - Mansfield Lab								
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
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
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1

Project Name: **Lab Number:** L1511682

Project Number: CANISTER QC BAT **Report Date:** 06/10/15

Air Canister Certification Results

Lab ID: L1511682-02 Date Collected: 05/27/15 18:00

Client ID: CAN 931 SHELF 55 Date Received: 05/28/15

Sample Location: Field Prep: Not Specified

Parameter	ppbV Results	ppbV RL	ppbV MDL	ug/m3 Results	ug/m3 RL	ug/m3 MDL	Qualifier	Dilution Factor
Volatile Organics in Air by SIM - Mansfield Lab								
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-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
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	92		60-140
bromochloromethane	103		60-140
chlorobenzene-d5	95		60-140

Project Name: 440 WASHINGTON ST.
Project Number: 170361501

Lab Number: L1512324
Report Date: 06/10/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information **Custody Seal**
Cooler
N/A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1512324-01A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1512324-02A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1512324-03A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1512324-04A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30)
L1512324-05A	Canister - 6 Liter	N/A	NA		Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512324
Project Number:	170361501	**Report Date:**	06/10/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
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.

Footnotes

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

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

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

Data Qualifiers

A	- Spectra identified as "Aldol Condensation Product".
B	- The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
C	- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
D	- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

Report Format: Data Usability Report

Project Name:	440 WASHINGTON ST.	**Lab Number:**	L1512324
Project Number:	170361501	**Report Date:**	06/10/15

Data Qualifiers

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

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

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Report Format: Data Usability Report

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

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

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

Certification Information

Last revised December 16, 2014

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

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

Mansfield Facility
EPA 8270D: Biphenyl.
EPA 2540D: TSS
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

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

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

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

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

ALPHA ANALYTICAL

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

AIR ANALYSIS

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 6/4/15

ALPHA Job #: L1512324

Client Information

Client: Langan
Address: 21 Penn Plaza

Phone:
Fax:
Email: dcaros@langan.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: 440 Washington St
Project Location: \
Project #: 170306501
Project Manager: Eric Godenhee
ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH *(only confirmed if pre-approved!)*

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☐ ADEx
Criteria Checker:
(Default based on Regulatory Criteria Indicated)
Other Formats:
☐ EMAIL (standard pdf report)
☐ Additional Deliverables:

Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State/Fed	*Program*	*Criteria*

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	I D Can	I D - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
12324-01	SV01_060315	6/03	11:45	1345	29.44	7.13		DH		1584	0356		x						
-02	SV02_060315		1305	1405	30.43	7.07				184	0240		x						
-03	SV03-060315		1230	1320	29.40	8.06				298	0275		x						
-04	SV04-060315		1110	1310	29.26	7.55				632	0090		x						
-05	AA01_060315		12:00	13:20	29.70	5.60				1695	0154		x						

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type

Relinquished By:	Date/Time	Received By:	Date/Time:
JO W	6/3 17:45	Dave Hulley (AAL)	6/3/15 17:45
Dave Hulley (AAL)	6/3/15 1940	Tom Toker	6-3-15 1940
Tom Toker	6-4-15 0210		6/4/15 0210

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.

Appendix D
Sustainability Statement

SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Paperless Brownfield Cleanup Program. 270 West Street, LLC is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. 270 West Street, LLC is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Appendix E
Soil/Materials Management Plan

SOIL/MATERIALS MANAGEMENT PLAN

1.1 Soil Screening Methods

Visual, olfactory and photoionization (PID) soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 Stockpile Methods

Excavated soil from suspected areas of contamination (e.g., hot spots, underground storage tanks [UST], drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. The developer/contractor has the option to either direct load or stockpile soil with option for composite sampling prior to offsite disposal. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 Characterization of Excavated Materials

Soil/fill or other excavated media that is transported off-site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-site will be managed as defined in this plan.

1.4 Materials Excavation, Load-Out and Departure

The PE/QEP overseeing the remedial action will:

- Oversee remedial work and the excavation and load-out of excavated material.

- Ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan.

- Ensure that site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in the Remedial Action Work Plan (RAWP).

- Ensure that the presence of utilities and easements on the site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties.

- Ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the site. Removal of soil from vehicles and equipment will be accomplished using approved dry methods.

- Ensure that all egress points for truck and equipment transport from the site will be kept clean of site-derived materials during site remediation.

Locations where vehicles exit the site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-site will not be performed without prior OER approval.

1.5 Off-Site Materials Transport

Loaded vehicles leaving the site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-site, when possible in order to minimize off site disturbance. Off-site queuing will be minimized.

Outbound truck transport routes are shown on Figure 10. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with site materials will travel from the site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project site.

1.6 Materials Disposal Off-Site

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation site in New York, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the Remedial Action Report (RAR).

The RAR will include an itemized account of the destination of all material removed from the site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historical fill and contaminated soils taken off-site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived on-site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

If disposal of soil or fill from this site is proposed for unregulated disposal (i.e., clean soil removed for development purposes), including transport to a Part 360-16 Registration Facility, a formal request will be made for approval by OER with an associated plan compliant with 6NYCRR Part 360-16. This request and plan will include the location, volume and a description of the material to be recycled, including verification that the material is not impacted by site uses and that the material complies with receipt requirements for recycling under 6NYCRR Part 360. This material will be appropriately handled on-site to prevent mixing with impacted material.

1.7 Materials Reuse On-Site

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-site. The soil cleanup objectives for on-site reuse are listed in Table 1 of the RAWP. 'Reuse on-site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the site and that procedures defined for material reuse in this RAWP are followed; however, reuse of on-site material is not expected.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the site will not be buried on-site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 Demarcation

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil or fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil or fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three methods. As appropriate, a map showing the method of demarcation for the site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan.

1.9 Import of Backfill Soil from Off-Site Sources

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this site. The backfill and cover soil quality objectives are listed in Table 1 of the RAWP.

A process will be established to evaluate sources of backfill and cover soil to be imported to the site, and will include an examination of source location, current and historical use(s), and any

applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYS DEC.
- All materials received for import to the Site will be approved by a PE/QEP and will comply with provisions in this remedial plan. The final remedial report will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill or soil cover was placed.
- All material will be subject to source screening and chemical testing.

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will comply with applicable laws and regulations and will enter the Site at designated locations.
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination.
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the final remedial report. A PE/QEP is responsible to

ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the Site must be derived from recognizable and uncontaminated concrete, and contain less than 10% by weight material which would pass through a size 80 sieve. RCA material is not acceptable for, and will not be used as cover material.

1.10 Fluids Management

All liquids to be removed from the site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYCDEP). The NYCDEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYCDEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 Storm-water Pollution Prevention

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 Contingency Plan

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the New York State Department of Environmental Conservation (NYSDEC) Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER. Chemical analytical testing will be performed for target analyte list (TAL) metals, target compound list (TCL) volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.13 Odor, Dust and Nuisance Control

ODOR CONTROL

All necessary means will be employed to prevent on- and off-site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the RAR.

DUST CONTROL

Dust management during invasive on-site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.

- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the Enrolee's contractor. The PE/QEP will notify the Enrollee's contractor if a nuisance dust condition is observed.

OTHER NUISANCES

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

Appendix F
Construction Health and Safety Plan

CONSTRUCTION HEALTH AND SAFETY PLAN
440 WASHINGTON STREET

440 WASHINGTON STREET
NYC Tax Block 223, Lots 13 and 15
New York, NY 10007

Prepared for:

270 West Street, LLC
268 West Street, 5th Floor
New York, NY 10013

Prepared by:

LANGAN
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, New York 10001

July 31, 2015
170361501

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***** Items to be posted prominently on site, or made readily available to personnel.

1.0 INTRODUCTION

1.1 General

This Construction Health and Safety Plan (CHASP) has been developed by Langan to comply with Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1910.120(b)(4), *Hazardous Waste Operations and Emergency Response*. This CHASP addresses all of the foreseeable activities to be conducted at 440 Washington Street, New York, NY. This CHASP will be implemented by Langan personnel while on site. Compliance with this CHASP is required of all Langan personnel.

The management of the day-to-day site activities and implementation of this CHASP in the field is the responsibility of the site Health and Safety Officer (HSO). Assistance in the implementation of this CHASP can also be obtained from the Langan Health and Safety Manager (HSM). The content of this CHASP may change or undergo revision based upon additional information made available to health and safety personnel, monitoring results, or changes in the scope of work.

1.2 Site Location and Background

The project site is located at 440 Washington Street in the Tribeca neighborhood in Manhattan, New York, and is identified as Block 223, and portions of Lots 13 and 15 on the NYC Tax Map. Figure 1 shows the site location. The site is 8,065 square feet and is bounded by Desbrosses Street followed by a newly constructed multi-story mixed use (residential and commercial) building to the north, a four-story mixed use (residential and commercial) building to the south, Washington Street followed by four multi-story mixed use (residential and commercial) buildings and a three-story industrial and manufacturing building to the east, and a construction site for the 268 West Street development project to the west. The site is currently vacant and used for temporary parking and materials and equipment staging for the adjacent 268 West Street construction project. The site is covered by a concrete slab (former building foundation) with the exception of the northern portion of Lot 13, which contains a former cellar filled in with demolition debris.

The proposed development project consists of an 11-story, mixed use commercial and residential building with a partial cellar, ground level parking, and restaurant space.

Excavation across the northern portion of the site is anticipated to extend to approximately 15 feet below grade surface (bgs) to accommodate the partial basement. The basement will be used as commercial storage space and amenity spaces (including a gymnasium). Excavation of up to five feet bgs will be required to accommodate foundation elements and utilities across the remainder of the site, which will be a slab on-grade foundation. The ground floor will contain a parking lot for eight cars, a lobby, and a restaurant. The remaining floors will be used for residential apartments, with a community room on the 10th floor. The 11th floor will consist of a roof bulkhead. Excavation of about 2,100 cubic yards (cy) of soil, accompanied by dewatering, is anticipated to facilitate construction.

The site's current zoning designation is C6-2A, which is a contextual commercial district with a maximum building height. A C6-2A district permits both commercial and residential use. The proposed development plans are consistent with the current zoning designation of the site.

1.3 Summary of Work Tasks

The general categories of work tasks being performed by Langan include:

1.3.1 Provide oversight of handling, loading and off-site transport of historical fill and native soil

Task includes documentation of Part 364 permit compliance for transport vehicles and permit/registrations for disposal facilities pursuant to soil excavation to up to 12 feet below grade (fbg) in the northern portion of the site, and about 5 fbg in the southern portion of the site. Task may also include signing non-hazardous waste manifesting on behalf of the owner is such request is stated in writing.

1.3.2 Provide oversight of handling, loading and off-site transport of hotspots

Task includes documentation of Part 364 permit compliance for transport vehicles and permit/registrations for disposal facilities pursuant to soil excavation of the copper and lead hotspots identified during the remedial investigation (RI). Both hotspots are located within the southern portion of the site. The copper

hotspot removal will extend to a depth of about 8 fbg and the lead hotspot removal will extend to a depth of about 7 fbg. Task may also include signing non-hazardous waste manifesting on behalf of the owner is such request is stated in writing.

1.3.3 Conduct air monitoring during earthwork activities in accordance with the Community Air Monitoring Plan (CAMP)

CAMP will include perimeter monitoring for dust, odor and volatile organic compounds. Langan will identify and provide suggestions for mitigation measures to address exceedances of particulate or organic vapor concentration thresholds. Two dust and organic vapor monitoring stations will be installed to continuously collect data and the field engineer will be equipped with a handheld dust and organic vapor meters.

1.3.4 Monitoring of fill import procedures (as required)

Task will also include review of Contractor submittals to document that only clean backfill material is brought to the site. The task may involve periodic surveying of clean fill material with a photoionization detector (PID).

1.3.5 Documentation of contingency measures should free petroleum product or unknown USTs be encountered

Task includes the overseeing the removal of USTs identified during the RI (and piping or other associated equipment) and any additional USTs encountered. USTs will be cleaned, removed and disposed of in accordance with accepted industry standards and applicable federal, state, and local regulatory agency requirements. Petroleum impacted soil will be segregating for subsequent off-site disposal in accordance with applicable federal, state, and local regulatory agency requirements.

1.3.6 Documentation of Groundwater management and disposal during dewatering activities

Task involves visual inspection of the groundwater management system for localized dewatering as necessary.

1.3.7 Collection of post-excavation endpoint soil samples in accordance with the RAWP

Task involves the collection of five endpoint soil samples for laboratory analysis as specified in the RAWP to ensure Track 2 RRU SCOs have been met.

1.3.8 Oversee site wide vapor barrier / waterproofing membrane installation

Task involves overseeing the Contractor's installation of the site wide vapor barrier / water proofing membrane to prevent violate organic compounds (VOCs) intrusion into the site building.

2.0 IDENTIFICATION OF KEY PERSONNEL/HEALTH AND SAFETY PERSONNEL

The following briefly describes the health and safety (H&S) designations and general responsibilities that may be employed for this site. The titles have been established to accommodate the project needs and requirements and insure the safe conduct of site activities. The H&S personnel requirements for a given work location are based upon the proposed site activities.

2.1 Langan Project Manager (PM)

The Langan Project Manager (PM) is Daniel Carrus. His responsibilities include:

- Ensuring that this CHASP is developed and approved prior to on-site activities.
- Ensuring that all the tasks in the project are performed in a manner consistent with Langan's comprehensive *Health and Safety Program for Hazardous Waste Operations* and this CHASP.

2.2 Langan Corporate Health and Safety Manager (HSM)

The Langan Corporate Health and Safety Manager (HSM) is Tony Moffa. His responsibilities include:

- Updating the *Health and Safety Program for Hazardous Waste Operations*.
- Assisting the site Health and Safety Officer (HSO) with development of the CHASP, updating CHASP as dictated by changing conditions, jobsite inspection results, etc. and approving changes to this CHASP.

- Assisting the HSO in the implementation of this CHASP and conducting Jobsite Safety Inspections and assisting with communication of results and correction of shortcomings found.
- Maintaining records on personnel (medical evaluation results, training and certifications, accident investigation results, etc.).

2.3 Langan Site Health & Safety Officer (HSO)

The Langan site Health and Safety Officer (HSO) is Bill Boher. The Site HSO responsibilities include:

- Participating in the development and implementation of this CHASP.
- The management of the day-to-day site activities and implementation of this CHASP in the field
- Conducting Tailgate Safety Meetings and Jobsite Safety Inspections and correcting any shortcomings in a timely manner.
- Ensuring that proper PPE is available, worn by employees and properly stored and maintained.
- Controlling entry into and exit from the site contaminated areas or zones.
- Monitoring employees for signs of stress, such as heat stress, fatigue, and cold exposure.
- Monitoring site hazards and conditions.
- Knowing (and ensuring that all site personnel also know) emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department.
- Resolving conflicts that may arise concerning safety requirements and working conditions.
- Reporting all incidents, injuries and near misses to the Langan Incident/Injury Hotline immediately and the client representative.

2.4 Subcontractor Responsibilities

- No Langan Subcontractors are being used on this site.

3.0 TASK/OPERATION SAFETY AND HEALTH RISK ANALYSES

This section provides an assessment of the general hazards that may be encountered during field work activities at the site through a task-by-task risk analysis. Potential hazards, generally categorized as chemical exposure and physical hazards are addressed below.

3.1 Chemical Exposure Hazards

Known and suspected chemical contaminant hazards that could be encountered during site operations are detailed in Table 1, Part A. A complete inventory of material safety data sheets (MSDS) for chemical products used on site can be found in Appendix E.

3.2 Physical Hazards

Physical hazards, which may be encountered during site operations for this project, are detailed in Table 1, Part B.

3.3 Task-By-Task Risk Analysis

Through information gathering, inspection, and monitoring, hazards that are potentially present have been determined for each specific task described in Table 1. This table provides a summary of chemical exposure and physical hazards that could potentially be encountered by personnel during each task effort.

3.4 Job Safety Analysis

A Job Safety Analysis (JSA) is a process to identify existing and potential hazards associated with each job or task so these hazards can be eliminated, controlled or minimized. A JSA will be performed at the beginning of each work day, and additionally whenever an employee begins a new task or moves to a new location. All JSA must be developed and reviewed by all parties involved. A blank JSA form and documentation of completed JSAs are in Appendix G.

4.0 PERSONNEL TRAINING

4.1 Basic Training

Completion of an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training program as detailed in OSHA's 29 CFR 1910.120(e) is required for all Langan and Langan-subcontractor employees who will perform work in areas where the potential for a toxic exposure exists. Annual eight-hour refresher training is also required to maintain competencies to ensure a safe work environment. In addition to these training requirements, supervisory personnel must also receive eight additional hours of specialized management training. Training records are maintained by the HSM.

4.2 Initial Site-Specific Training

Training will be provided to specifically address the activities, procedures, monitoring, and equipment for site operations at the beginning of each field mobilization and the beginning of each discrete phase of work. The training will include the site and facility layout, hazards, and emergency services at the site, and will detail all the provisions contained within this CHASP. Specific issues that will be addressed include the hazards described in Section 3.0.

4.3 Tailgate Safety Briefings

Before starting work each day or as needed, the Langan HSO will conduct a brief tailgate safety briefing meeting to assist site personnel in conducting their activities safely. Tailgate meetings will be documented using the Tailgate Safety Briefing template in Appendix H. Briefings will include the following:

- Scope of work for the day,
- Review of safety information relevant to planned tasks and environmental conditions
- New activities/task being conducted;
- Results of Jobsite Safety Inspection Checklist;
- Changes in work practices;
- Safe work practices; and
- Discussion and remedies for noted or observed deficiencies.

5.0 MEDICAL SURVEILLANCE

5.1 Fitness for Duty

All personnel who will be performing field work involving potential exposure to toxic and hazardous substances will be required to have passed an initial baseline medical examination, with follow-up medical exams thereafter, consistent with 29 CFR 1910.120(f). Medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine.

Additionally, personnel who may be required to perform work while wearing a respirator must receive medical clearance as required under CFR 1910.134(e), *Respiratory Protection*. Again, medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine. Results of medical evaluations are maintained by the HSM.

6.0 AIR MONITORING

6.1 General

In many instances, it will be necessary to monitor the atmospheric conditions during on-site work activities to identify and quantify airborne contaminants; to assist in defining work zones; and, to determine the level of work protection needed. Air monitoring will be performed wherever the possibility of worker exposure to hazardous substances exists. Air monitoring will be performed at the worker's breathing zone. Upgrades/downgrades to personal protective equipment (PPE) will be made based on air monitoring results in the breathing zone. The Air monitoring device will be calibrated daily and readings will be recorded in the field log or in Appendix D.

6.2 Action Levels

Photoionization detectors (PIDs) and particulate (dust) monitors will be used to evaluate action levels during investigation activities. Table 2 provides a summary explanation of available monitoring equipment.

Breathing zone readings should be taken at the start of work in all areas each day, as

well as during the excavation, and frequently whenever strong odors are detected. Before any field activities commence, the background levels of the site will be monitored and recorded away from the areas of potential contamination to representative conditions. Action levels for monitored gases based on PID readings are provided in Table 3.

Work will be stopped immediately and crews will remove themselves to fresh air if workers are experiencing potential acute physical symptoms of exposure such as irritation, nausea, drowsiness or headache. Work will not recommence in the area until reasoning for irritation is determined and appropriate control measures have been taken.

7.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

7.1 Levels of Protection

Langan will provide PPE to workers to protect them from the specific hazards they are likely to encounter on-site. Selection of the appropriate PPE must take into consideration: (1) identification of the hazards or suspected hazards; (2) potential exposure routes; and, (3) the performance of the PPE construction (materials and seams) in providing a barrier to these hazards.

Based on anticipated site conditions and the proposed work activities to be performed at the site, Level D Protection will be used. The upgrading/downgrading of the level of protection will be based on continuous air monitoring results as described in Section 6.0. The decision to modify standard PPE will be made by the site HSO after conferring with the PM. The levels of protection are described below.

Level D Protection (as needed)

- Safety glasses with side shields or chemical splash goggles.
- Safety boots/shoes
- Coveralls (Tyvek® or equivalent)
- Hard hat
- Long sleeve work shirt and work pants
- Nitrile gloves
- Hearing protection
- Reflective safety vest

Level C Protection (as needed)

- Full or Half face, air-purifying respirator, with NIOSH approved HEPA filter
- Inner (latex) and outer (nitrile) chemical-resistant gloves.
- Safety glasses with side shields or chemical splash goggles.
- Chemical-resistant safety boots/shoes
- Hard hat
- Long sleeve work shirt and work pants
- Coveralls (Tyvek® or equivalent)
- Hearing protection (as needed)
- Reflective safety vest

The action levels used in determining the necessary levels of respiratory protection and upgrading to Level C are summarized in Table 3. The written Respiratory Protection Program is maintained by the HSM and is available if needed. The monitoring procedures and equipment are outlined in Section 6.0.

7.2 Respirator Fit-Test

All Langan employees who may be exposed to hazardous substances at the work site are in possession of a full or half face-piece, air-purifying respirator and have been successfully fit-tested within the past year. Fit-test records are maintained by the HSM.

8.0 SITE CONTROL

8.1 Site Communications Plan

Verbal communications will be the primary method of communication used at the site during the remedial action/remedial investigation and routine groundwater monitoring work. Cell phones shall be used to the extent practical. In the instances where verbal communication cannot be used, such as when working in respiratory protective equipment, hand signals will be used. Hand signals will be covered during site-specific training. Hand signals and their messages:

Hand Signal	Meaning
Hand gripping throat	Out of air; cannot breathe
Grip partners wrists or place both hands around waist	Leave immediately without debate
Hands on top of head	Need assistance
Thumbs up	OK; I'm alright; I understand
Thumbs down	No; negative
Simulated "stick" break with fists	Take a break; stop work

8.2 Work Zones

The need to formally establish specific work zones (Support, Contamination Reduction, and Exclusion Zones) during site activities will be determined by the HSO. A general description of these work zones is provided in Figure 2. It is important for the safety of all concerned that appropriate barriers (cones, wooden horses, plastic fencing etc.) are in place to keep vehicles and pedestrians away from the Work Zone.

8.3 The Buddy System

When working in teams of two or more, workers will use the "buddy system" for all work activities to ensure that rapid assistance can be provided in the event of an emergency. This requires work groups to be organized such that workers can remain close together and maintain visual contact with one another. Workers using the "buddy system" have the following responsibilities:

- Provide his/her partner with assistance.
- Observe his/her partner for signs of chemical or heat exposure.
- Periodically check the integrity of his/her partner's PPE.

- Notify the HSO or other site personnel if emergency service is needed.

8.4 Nearest Medical Assistance

The address and telephone number of the nearest hospital:

Emergency Medical Care
200 Chambers Street
New York, NY
Information Line: (212) 962-6600

Map with directions to the hospital are shown in Figure 3. This information will either be posted prominently at the site or will be available to all personnel all of the time. Further, all field personnel, including the HSO, will know the directions to the hospital.

8.5 Standing Orders/Safe Work Practices

The standing orders, which consist of a description of safe work practices that must always be followed while on-site by Langan employees and subcontractors, are shown in Appendix A. The site HSO has the responsibility for enforcing these practices. The standing orders will be posted prominently at the site, or are made available to all personnel at all times. Those who do not abide by these safe work practices will be removed from the site.

8.6 Site Security

No unauthorized personnel shall be permitted access to the work areas,

8.7 Underground Utilities

As provided in Langan's Underground Utility Clearance Guidelines, the following safe work practices should be followed by Langan personnel before and during subsurface work:

- Obtain available utility drawings from the property owner/client or operator.
- Provide utility drawings to the subcontractors.
- In the field, mark the proposed area of subsurface disturbance (when possible).
- Ensure that the one-call (811) system has been notified.

- Ensure that utilities are marked before beginning subsurface work.
- Discuss subsurface work locations with the owner/client and subcontractor.
- Obtain approval from the owner/client and operators for proposed subsurface work locations.
- Use safe digging procedures when applicable.
- Stay at least 10 feet from all equipment performing subsurface work.

8.8 Site Safety Inspection

The Langan HSO or alternate will check the work area daily, at the beginning and end of each work shift or more frequently to ensure safe work conditions. The HSO or alternate must complete the Jobsite Safety Inspection Checklist, found in Appendix F, at least weekly or before completion of work, whichever is shorter. Any deficiencies shall be shared with the HSM and PM and will be discussed at the daily tailgate meeting.

8.9 Hand and Power Tools

All hand- and electric-power tools and similar equipment shall be maintained in a safe operating condition. All electric-power tools must be inspected before initial use. Damaged tools shall be removed immediately from service or repaired. Tools shall be used only for the purpose for which they were designed. All users must be properly trained in their safe operation

9.0 DECONTAMINATION PLAN

9.1 General

All personnel, equipment, and samples leaving the contaminated area of the site must be decontaminated. Decontamination for this operation is achieved through physical removal and chemical detoxification/disinfection/sterilization. The first step in decontamination, however, is prevention and standard operating procedures have been established meant to minimize contact with wastes:

- Work habits that minimize contact with wastes are stressed.
- Disposable equipment, where appropriate, will be used.

9.2 Decontamination Procedures

Standard decontamination procedures will be used as described in Appendix B.

9.3 Disposal of Decontamination Wastes

Waste solutions generated during decontamination procedures shall be contained, collected, and stored in drums or other appropriate containers and labeled for proper off-site disposal.

10.0 EMERGENCY RESPONSE

10.1 General

Because of the hazards that may be present at the site and the conditions under which operations are conducted, it is possible that an emergency situation may develop. Emergency situations can be characterized as injury or acute chemical exposure to personnel, fire or explosion, environmental release, or hazardous weather conditions.

10.2 Responsibilities

Site Emergency Coordinator - The HSO, or his/her alternate, will serve as the Site Emergency Coordinator and shall implement emergency procedures whenever conditions warrant such action. The Site Emergency Coordinator will be responsible for assuring the evacuation, emergency treatment, emergency transport of site personnel, and notification of emergency units and the appropriate management staff. Emergency response instructions will be provided by the HSO as part of every employee's training prior to the start of work.

Employees - All employees at the site will be familiar with emergency response procedures for this work location.

10.3 Evacuation

In the event of an emergency situation, an air horn or vehicle horn will be sounded three times indicating the initiation of evacuation procedures. Loud voice command, if appropriate, can be used. All personnel will evacuate and assemble at the site entrance.

No one, except the emergency responders, will be allowed to proceed into the area once the emergency signal has been given. The Site Emergency Coordinator will ensure that access for emergency equipment is provided and that all sources of combustion (e.g., operating machinery, etc.) have been shut down once the alarm has been sounded. Wind direction will be taken into consideration for evacuation plans. Evacuation plans will be discussed at the initial Site-Specific Training and as needed at the regular safety briefings.

In all situations, when an on-site emergency results in an evacuation, personnel shall not re-enter until:

- The conditions resulting in the emergency have been corrected.
- The hazards have been reassessed.
- This CHASP has been reviewed.
- Site personnel have been briefed on any changes to this CHASP.

10.4 Emergency Contacts/Notification System

The fire department and other emergency response groups will be notified by telephone of the emergency as soon as possible. An emergency telephone numbers list is presented as Table 4 in this CHASP. This list will either be posted prominently at the site or will be made readily available to all personnel all of the time.

10.5 Emergency Medical Treatment

Personnel Injury - In case of injury to personnel, the HSO will immediately administer emergency first aid. The ambulance/rescue squad will also be contacted as necessary. Some situations may require transport of the injured parties by automobile. Therefore, maps/directions to the nearest hospital are provided as Figure 3. Figure 3 will either be posted at the site, or will be made readily available to all personnel all of the time.

Personnel Exposure – Emergency first aid procedures to be followed are:

Skin Contact: Use copious amounts of soap and water. Wash/rinse affected areas thoroughly, and then provide appropriate medical attention. Rinse eyes with water

for at least 15 minutes.

Inhalation: Move to fresh air and/or, if necessary decontaminate and transport to emergency medical facility.

Ingestion: Decontaminate and transport to emergency medical facility.

Puncture/Laceration: Decontaminate, if possible, and transport to emergency medical facility.

10.6 Fire or Explosion

Appropriate fire extinguishers will be made available at the site for trained personnel to use on insipient stage fires without endangering the safety and health of those nearby. If the use of fire extinguishers will not extinguish the fire, immediately notify the fire department, sound the evacuation signal, and then evacuate the area, assembling at the site entrance to be accounted for and to receive further instruction.

10.7 Spills/Leaks

Control or stop the spread of minor chemical spills or contamination by utilizing the appropriate materials (absorbents, etc.), if possible. If the release is significant, or highly hazardous, immediately notify the appropriate response groups, sound the evacuation signal, evacuate the area, and assemble at the site entrance to be accounted for and to receive further instruction.

10.8 Adverse Weather Conditions

In the event of severe weather (rain, snow, sleet, heat, etc.), conditions will be assessed on site to determine if the work can proceed safely. If it is determined that the weather poses a significant hazard, site operations will be stopped and rescheduled. Some of the items to be considered prior to determining if work should continue include:

- Potential for heat stress and heat-related injuries.
- Potential for cold stress and cold-related injuries.
- Treacherous weather-related working conditions.

- Limited visibility.

10.9 Underground Utilities

In the event a utility is encountered or disturbed during subsurface work, follow these procedures:

- Immediately stop work;
- Leave the work area and retreat to a safe area;
- Call 911, if necessary;
- Contact the client representative and owner and operator of the property; and
- Immediately notify the Langan PM, HSO and Langan Incident/Injury Hotline.

10.10 Documentation

Immediately following an incident or near miss, unless emergency medical treatment is required, either the employee or a coworker must contact the Langan Incident/Injury Hotline at 201-398-4699 and the client representative to report the incident or near miss. For emergencies involving personnel injury and/or exposure, the HSO and affected employee will complete and submit an Employee Exposure/Injury Incident Report (Appendix C) to the Langan Corporate Health and Safety Manager as soon as possible following the incident.

11.0 CONFINED SPACE ENTRY

Confined spaces **will not** be entered by Langan personnel.

12.0 CHASP ACKNOWLEDGEMENT FORM

All Langan field personnel and subcontractors will sign this CHASP Compliance Agreement indicating that they have become familiar with this CHASP and that they understand it and agree to abide by it.

Printed Name	Signature	Company	Date

TABLES

TABLE 1

TASK RISK ANALYSES

A. CONTAMINANT HAZARDS OF CONCERN

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Iron	Dust Monitor	5 ppm/NA	Soil	Inh, Abs, Ing, Con	Irrit eyes, nose; throat, lungs	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Mercury (Hg)	Dust Monitor	0.01 ppm/ 1.22 ppm	Soil	Inh, Ing, Con	Irrit eyes, nose, mouth, throat, respiratory track, skin (itching, scaling, reddening or blistering). Skin contact may produce burns	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Nickel (Ni)	Dust Monitor	1 ppm/10 ppm	Soil	Inh, Ing, Con	Irrit eyes, nose; throat, lungs	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Zinc (Zn)	Dust Monitor	5 ppm/50 ppm	Soil	Inh, Ing, Con	Irrit eyes, skin	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Barium	Dust Monitor	NA/NA	Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track (nausea, vomiting, colic, and diarrhea), Chronic lung damage	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Cadmium	Dust Monitor	0.001 ppm/ 50 ppm	Soil	Inh, Ing, Con	Irrit skin	Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6,	Lead (Pb)	Dust Monitor	0.006 ppm/82 ppm	Soil	Inh, Ing, Con	Irrit eye	Eyes: irrigate, Skin: soap flush promptly, Breathing: Respiratory support,

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
1.3.7, 1.3.8, 1.3.9, 1.3.10							Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Manganese	Dust Monitor	5 ppm/10 ppm	Soil	Inh, Ing	Irrit: throat breathing, Ing: vomiting, lassitude	Breathing – respiratory support, swallow: medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Magnesium	Dust Monitor	10 ppm/NA	Soil	Inh, Ing, Con	Irrit: eyes, nose, throat, skin	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Methyl Tertiary Butyl Ether (MTBE)	PID	NA/NA	Groundwater Soil	Inh, Ing, Con	Irrit: eyes, nose, throat, skin; Ing: abdominal pain, nausea, vomiting, headache	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: medical attention, do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Benzene	PID	1 ppm/500 ppm Ca	Groundwater, Soil	Inh, Abs, Ing, Con	Irrit eyes, skin, nose; resp. sys.; gidd; head, nau, staggered gait; ftg, anor, lass; derm; bone marrow depres; [carc]	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Ethylbenzene	PID	100 ppm/800 ppm [10% LEL]	Groundwater Soil	Inh,, Ing, Con	Irrit eyes, skin, muc memb; head; derm; narco, coma	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Toluene	PID	200 ppm/500 ppm	Groundwater Soil	Inh, Abs, Ing, Con	Irrit eyes, nose; lass; conf; euphoria; dizz; head.; dilated pupils; lacrimation; anxiety; muscle fatigue; insomnia; pares; derm.; liver, kidney damage	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Xylenes	PID	100 ppm/900 ppm	Groundwater Soil	Inh, Abs, Ing, Con	Irrit eyes, skin. nose, throat; dizz, excitement, drow, inco, staggering gait; com vacuolization; anor, nau, vomit, abdom pain; derm	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Arsenic	Dust Monitor	0.01 ppm/5 ppm	Soil	Inh, Ing, Con	Irrit eyes and skin;	Eyes: Irrigate immediately Skin: Soap wash promptly. Swallow: Medical attention immediately.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	PCBs (Aroclor 1248 & 1254)	Dust Monitor	1 ppm/5 ppm	Soil	Inh, Ing, Con	Irrit eyes	Eyes: Irrigate immediately Skin: Soap wash promptly. Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Chlordane	Dust Monitor	0.5 ppm/ 100 ppm	Soil	Inh, Ing, Con	Irrit eyes and skin, fatal or cause blindness if ingested	Eyes: Irrigate immediately Skin: Soap wash promptly. Inhalation – removed to fresh air, Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Benzo(a)anthracene	Dust Monitor	NA/NA	Soil	Inh, Ing, Con	Irrit eyes, skin; CNS; depress; naus; vom; liver inj; kidney inj; drow; dizz; inco; [carc]	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Induce vomiting, medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Benzo(a)pyrene	Dust Monitor	0.2 ppm/700 ppm	Soil	Inh, Ing, Con, Abs	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Benzo(b)fluoranthene	Dust Monitor	NA/NA	Soil	Inh, Abs, Ing, Con	Irrit eyes, skin,	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Benzo(k)fluoranthene	Dust Monitor	NA/NA	Groundwater Soil	Inh, Abs, Ing, Con	Irrit eyes, skin; irritation to gastrointestinal (nausea, vomiting, diarrhea)	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6,	Dibenzo(a,h)anthracene	Dust Monitor	NA/NA	Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
1.3.7, 1.3.8, 1.3.9, 1.3.10							Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	sec-Butylbenzene	PID	NA/NA	Groundwater, Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	Naphthalene	PID/Dust Monitor	10 ppm/500 ppm	Groundwater Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	n-Propylbenzene	PID	NA/NA	Groundwater Soil	Inh, Ing, Abs, Con	Irrit eyes, skin, respiratory tract; kidney, liver damage	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	1,3,5-Trimethylbenzene	PID	NA/NA	Groundwater Soil	Inh, Ing, Con	Irrit eyes, skin, nose, throat, respiratory system; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion;	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8, 1.3.9, 1.3.10	1,2,4-Trimethylbenzene	PID	NA/NA	Groundwater Soil	Inh, Ing, Con	Irrit eyes, skin, nose, throat, respiratory system; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion;	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately

EXPLANATION OF ABBREVIATIONS

PID = Photoionization Detector
Inh = Inhalation
Abs = Skin absorption
Ing = Ingestion
Con = Skin and/or eye contact
PEL = Permissible Exposure Limit (8-hour Time Weighted Average)
IDLH = Immediately Dangerous to Life and Health
LEL = Lower Explosive Limit
ppm = part per million
TLV = Threshold Limit Value
abdom = abdominal
anor = anorexia
arrhy = arrhythmia
card = cardiac
Ca = Considered by NIOSH to be potential occupational carcinogen
[carc] = potential occupational carcinogen
CNS = central nervous system
depres = depressant/depression
derm= dermatitis
dizz = dizziness
drow = drowsiness
ftg = fatigue
gidd = giddiness
inco = incoordination
inj = injury
lass = lassitude (weakness, exhaustion)
muc memb = mucous membrane
nau = nausea
pares = paresthesia
som = somnolence (sleepiness, unnatural drowsiness)
verti = vertigo
vis dist = visual disturbance

B. PHYSICAL HAZARDS OF CONCERN

Task	Hazard	Description	Control Measures	First Aid
1.3.1, 1.3.2, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Skin contact	Contact with contaminated soil during subsurface investigations /activities.	Wear proper PPE; follow safe practices	See "A" above
1.3.1, 1.3.2, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Lacerations, abrasions, punctures	Cutting bailer twine, pump tubing, acetate liners, etc. with knife. Using tools in tight spaces, etc.	Wear proper PPE; follow safe practices	See pages 48-51, NSC "First Aid a CPR Standard" manual
1.3.1, 1.3.2, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Inhalation	Vapor extrusion of excavated soil, dust	Follow air monitoring plan; have quick access to respirator	See "A" above.
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Lifting	Improper lifting/carrying of equipment and materials causing strains	Follow safe lifting techniques	Follow the RICE procedures (p.99 in NSC manual)
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Slips, trips, and falls	Any number of injuries could occur from slips, trips, and falls in carrying out these tasks	Good housekeeping at site, constant awareness and focus on the task	
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Noise	Excavation equipment, hand tools, drilling equipment.	Wear hearing protection	-
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Falling objects	Soil material, tools, etc. dropping from drill rigs, front-end loaders, etc.	Hard hats to be worn at all times while in work zones	-
1.3.1, 1.3.2, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Underground/over head utilities	Excavation equipment, drill rig auger makes contact with underground object; boom touches	"One Call" before dig; follow safe practices; confirm utility locations with subcontractor	-
1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.5, 1.3.6, 1.3.7, 1.3.8.	Insects (bees, wasps, hornet, mosquitoes, and spider)	Sings, Bites	Insect Repellent, proper protective clothing (work boots, socks and light colored pants)	Field personnel who may have insect allergies (e.g., bee sting) should provide this information to the HSO or FSO prior to commencing work, and will have allergy medication on Site.

TABLE 2
Summary of Monitoring Equipment

Instrument	Operation Parameters
Photoionization Detector (PID)	**Hazard Monitored:** Many organic and some inorganic gases and vapors. **Application:** Detects total concentration of many organic and some inorganic gases and vapors. Some identification of compounds is possible if more than one probe is measured. **Detection Method:** Ionizes molecules using UV radiation; produces a current that is proportional to the number of ions. **General Care/Maintenance:** Recharge or replace battery. Regularly clean lamp window. Regularly clean and maintain the instrument and accessories. **Typical Operating Time:** 10 hours. 5 hours with strip chart recorder.
Dust Monitor	**Hazard Monitored:** Real-time aerosol mass readings. **Application:** Measures Particulate concentrations in air **Detection Method:** Uses light-scattering laser photometers sensor to measure real-time aerosol mass readings. **General Care/Maintenance:** Daily zero check, insure inlet is clean. **Typical Operating Time:** 8 – 12 hours.
Additional equipment (if needed, based on site conditions)	
Oxygen Meter	**Hazard Monitored:** Oxygen (O_2). **Application:** Measures the percentage of O_2 in the air. **Detection Method:** Uses an electrochemical sensor to measure the partial pressure of O_2 in the air, and converts the reading to O_2 concentration. **General Care/Maintenance:** Replace detector cell according to manufacturer's recommendations. Recharge or replace batteries prior to explanation of the specified interval. If the ambient air is less than 0.5% C O_2, replace the detector cell frequently. **Typical Operating Time:** 8 – 12 hours.
Combustible Gas Indicator (CGI)	**Hazard Monitored:** Combustible gases and vapors. **Application:** Measures the concentration of combustible gas or vapor. **Detection Method:** A filament, usually made of platinum, is heated by burning the combustible gas or vapor. The increase in heat is measured. Gases and vapors are ionized in a flame. A current is produced in proportion to the number of carbon atoms present. **General Care/Maintenance:** Recharge or replace battery. Calibrate immediately before use. **Typical Operating Time:** Can be used for as long as the battery lasts, or for the recommended interval between calibrations, whichever is less.
Flame Ionization Detector (FID) with Gas Chromatography	**Hazard Monitored:** Many organic gases and vapors (approved areas only). **Application:** In survey mode, detects the concentration of many organic gases and vapors. In gas chromatography (GC) mode, identifies and measures specific compounds. In survey mode, all the organic compounds are ionized and detected

Instrument	Operation Parameters
Option *(i.e., Foxboro Organic Vapor Analyzer (OVA))*	at the same time. In GC mode, volatile species are separated. **General Care/Maintenance:** Recharge or replace battery. Monitor fuel and/or combustion air supply gauges. Perform routine maintenance as described in the manual. Check for leaks. **Typical Operating Time:** 8 hours; 3 hours with strip chart recorder.
Potable Infrared (IR) Spectrophotometer	**Hazard Monitored:** Many gases and vapors. **Application:** Measures concentration of many gases and vapors in air. Designed to quantify one or two component mixtures. **Detection Method:** Passes different frequencies of IR through the sample. The frequencies absorbed are specific for each compound. **General Care/Maintenance:** As specified by the manufacturer.
Direct Reading Colorimetric Indicator Tube	**Hazard Monitored:** Specific gas and vapors. **Application:** Measures concentration of specific gases and vapors. **Detection Method:** The compound reacts with the indicator chemical in the tube, producing a stain whose length or color change is proportional to the compound's concentration. **General Care/Maintenance:** Do not use a previously opened tube even if the indicator chemical is not stained. Check pump for leaks before and after use. Refrigerate before use to maintain a shelf life of about 2 years. Check expiration dates of tubes. Calibrate pump volume at least quarterly. Avoid rough handling which may cause channeling.
Aerosol Monitor	**Hazard Monitored:** Airborne particulate (dust, mist, fume) concentrations **Application:** Measures total concentration of semi-volatile organic compounds, PCBs, and metals. **Detection Method:** Based on light-scattering properties of particulate matter. Using an internal pump, air sample is drawn into the sensing volume where near infrared light scattering is used to detect particles. **General Care/Maintenance:** As specified by the mfr. Also, the instrument must be calibrated with particulates of a size and refractive index similar to those to be measured in the ambient air.
Monitox	**Hazard Monitored:** Gases and vapors. **Application:** Measures specific gases and vapors. **Detection Method:** Electrochemical sensor relatively specific for the chemical species in question. **General Care/Maintenance:** Moisten sponge before use; check the function switch; change the battery when needed.
Gamma Radiation Survey Instrument	**Hazard Monitored:** Gamma Radiation. **Application:** Environmental radiation monitor. **Detection Method:** Scintillation detector. **General Care/Maintenance:** Must be calibrated annually at a specialized facility. **Typical Operating Time:** Can be used for as long as the battery lasts, or for the recommended interval between calibrations, whichever is less.

TABLE 3

INSTRUMENTATION ACTION LEVELS

Photoionization Detector Action Levels	**Action Required**
Background to 5 ppm	No respirator; no further action required
> 1 ppm but < 5 ppm for > 5 minutes	1. Temporarily discontinue all activities and evaluate potential causes of the excessive readings. If these levels persist and cannot be mitigated (i.e., by slowing drilling or excavation activities), contact HSO to review conditions and determine source and appropriate response action. 2. If PID readings remain above 1 ppm, temporarily discontinue work and measure benzene concentrations. 3. If benzene concentrations below 1 ppm, continue work, if above 1 ppm, upgrade to Level C protection. 4. If sustained PID readings fall below 1 ppm, downgrading to Level D protection may be permitted.
> 5 ppm but < 150 ppm for > 5 minutes	1. Discontinue all work; all workers shall move to an area upwind of the jobsite. 2. Evaluate potential causes of the excessive readings, test for benzene concentrations, and allow work area to vent until VOC concentrations fall below 5 ppm. 3. Level C protection will continue to be used until benzene concentrations fall below 1 ppm or PID readings fall below 10 ppm.
> 150 ppm	Evacuate the work area.

Notes:
1. Parts per million (ppm)
2. ppm level based on OSHA Permissible Exposure Limit (PEL) for benzene.
3. 5 ppm level based on OSHA Short-Term Exposure Limit (STEL) maximum exposure for benzene for any 15 minute period.
4. 150 ppm level based on NIOSH Immediately Dangerous to Life and Health (IDLH) for tetrachloroethene.

Particulate (Dust) Monitoring	**Action Required**
Background to 5 ppm	No respirator; no further action required
> Between 5 mg/m^3 and 125 mg/m^3	1. Temporarily discontinue all activities and evaluate potential causes of the excessive readings. Apply dust suppression measures. If these levels persist and cannot be mitigated contact HSO to review conditions and determine source and appropriate response action. 2. If readings remain above 5 mg/m^3, temporarily discontinue work and upgrade to Level C protection. 3. If sustained readings fall below 2.5 mg/m^3, downgrading to Level D protection may be permitted.
Above 125 mg/m^3	1. Discontinue all work; all workers shall move to an area upwind of the jobsite. Apply additional dust suppression measures. 2. Evaluate potential causes of the excessive readings and allow work area to vent until concentrations fall below 125 ppm mg/m^3. 3. Level C protection will continue to be used until particulate readings fall below 2.5 mg/m^3.

Notes: 1. Milligram per cubic meter (mg/m^3)

TABLE 4
EMERGENCY NOTIFICATION LIST

Organization	Contact	Telephone
Local Police Department		911
Local Fire Department		911
Ambulance/Rescue Squad		911
Hospital		911
Langan Incident / Injury Hotline		201-398-4699
Langan Project Manager	Daniel Carrus	646-434-8211 (cell)
Langan Health and Safety Manager (HSM)	Tony Moffa	215-756-2523 (cell)
Langan Site Health & Safety Officer (HSO)	Bill Boher	410-984-3068 (cell)
Client	NAME	xxx-xxx-xxxx (cell)
National Response Center (NRC)		800-424-8802
Chemical Transportation Emergency Center (Chemtrec)		800-424-9300
Center for Disease Control (CDC)		404-639-3534
EPA (RCRA Superfund Hotline)		800-424-9346
TSCA Hotline		202-554-1404
Poison Control Center		800-222-1222

Immediately following an incident or near miss, unless emergency medical treatment is required, either the employee or a coworker must contact the Langan Incident/Injury Hotline at 201-398-4699.

FIGURES

FIGURE 1

Site Location Map

FIGURE 2

Site Plan (N-101 – Excavation Plan)

FIGURE 3

HOSPITAL ROUTE PLAN (Emergency Medical Care in New York, NY)

Hospital Location: 200 Chamber Street, New York, NY
Information Line (212) 962-6600

Route to Hospital
From 440 Washington Street, New York, NY to Emergency Medical Care, located at 200 Chambers Street, New York, NY**.**

1: Head north on Washington Street toward Desbrosses Street

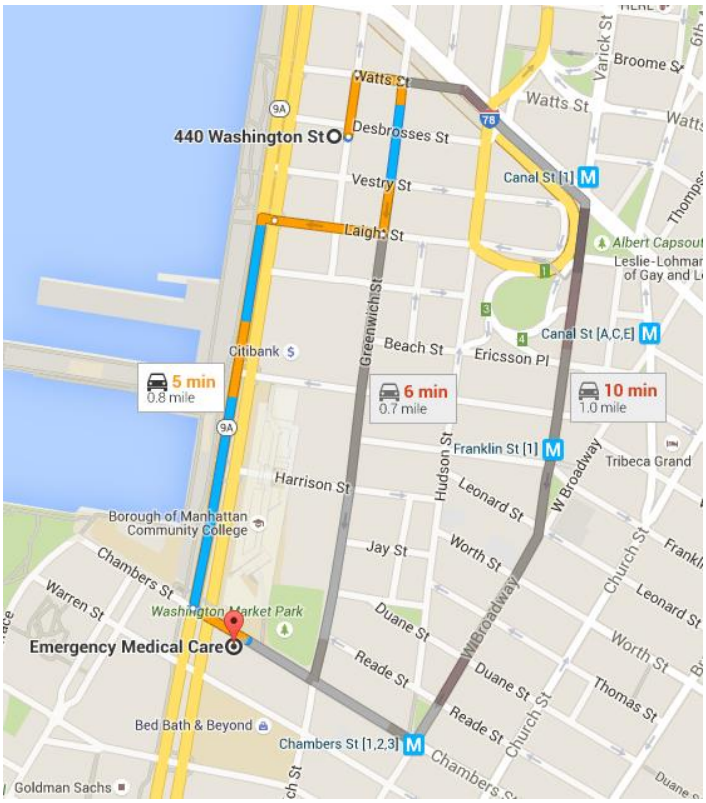
2: Turn right at the 2nd cross street onto Watts Street

3: Turn right at the 1st cross street onto Greenwich Street

4: Turn right at the 3rd cross street onto Laight Street

5: Turn left onto NY-9A S/West Street

6: Turn left onto Chambers Street and arrive at Emergency Medical Care, 200 Chambers Street, New York, NY 10007



Total Est. Time: **5 minutes** Total Est. Distance: **0.8 miles**

APPENDIX A

STANDING ORDERS

STANDING ORDERS

GENERAL

- No smoking, eating, or drinking in this work zone.
- Upon leaving the work zone, personnel will thoroughly wash their hands and face.
- Minimize contact with contaminated materials through proper planning of work areas and decontamination areas, and by following proper procedures. Do not place equipment on the ground. Do not sit on contaminated materials.
- No open flames in the work zone.
- Only properly trained and equipped personnel are permitted to work in potentially contaminated areas.
- Always use the appropriate level of personal protective equipment (PPE).
- Maintain close contact with your buddy in the work zone
- Contaminated material will be contained in the Exclusion Zone (EZ).
- Report any unusual conditions.
- Work areas will be kept clear and uncluttered. Debris and other slip, trip, and fall hazards will be removed as frequently as possible.
- The number of personnel and equipment in the work zone will be kept to an essential minimum.
- Be alert to the symptoms of fatigue and heat/cold stress, and their effects on the normal caution and judgment of personnel.
- Conflicting situations which may arise concerning safety requirements and working conditions must be addressed and resolved quickly by the site HSO.

TOOLS AND HEAVY EQUIPMENT

- Do not, under any circumstances, enter or ride in or on any backhoe bucket, materials hoist, or any other device not specifically designed to carrying passengers.
- Loose-fitting clothing or loose long hair is prohibited around moving machinery.
- Ensure that heavy equipment operators and all other personnel in the work zone are using the same hand signals to communicate.
- Drilling/excavating within 10 feet in any direction of overhead power lines is prohibited.
- The locations of all underground utilities must be identified and marked out prior to initiating any subsurface activities.
- Check to insure that the equipment operator has lowered all blades and buckets to the ground before shutting off the vehicle.
- If the equipment has an emergency stop device, have the operator show all personnel its location and how to activate it.
- Help the operator ensure adequate clearances when the equipment must negotiate in tight quarters; serve as a signalman to direct backing as necessary.
- Ensure that all heavy equipment that is used in the Exclusion Zone is kept in that zone until the job is done, and that such equipment is completely decontaminated before moving it into the clean area of the work zone.
- Samplers must not reach into or get near rotating equipment such as the drill rig. If personnel must work near any tools that could rotate, the equipment operator must completely shut down the rig prior to initiating such work. It may be necessary to use a remote sampling device.

APPENDIX B

DECONTAMINATION PROCEDURES

PERSONNEL DECONTAMINATION

LEVEL C DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Canister or Mask Change	4. If worker leaves Exclusion Zone to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	Facepiece Removal	6. Facepiece is removed (avoid touching face with fingers). Facepiece deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL D DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Boot, Gloves and Outer Garment Removal	4. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 5:	Field Wash	5. Hands and face are thoroughly washed. Shower as soon as possible.

EQUIPMENT DECONTAMINATION

GENERAL:

Equipment to be decontaminated during the project may include tools, monitoring equipment, respirators, sampling containers, laboratory equipment and drilling equipment.

All decontamination will be done by personnel in protective gear, appropriate for the level of decontamination, as determined by the site HSO. The decontamination work tasks will be split or rotated among support and work crews.

Depending on site conditions, backhoe and pumps may be decontaminated over a portable decontamination pad to contain wash water; or, wash water may be allowed to run off into a storm sewer system. Equipment needed may include a steam generator with high-pressure water, empty drums, screens, screen support structures, and shovels. Drums will be used to hold contaminated wash water pumped from the lined pit. These drums will be labeled as such.

Miscellaneous tools and equipment will be dropped into a plastic pail, tub, or other container. They will be brushed off and rinsed with a detergent solution, and finally rinsed with clean water.

MONITORING EQUIPMENT:

Monitoring equipment will be protected as much as possible from contamination by draping, masking, or otherwise covering as much of the instruments as possible with plastic without hindering the operation of the unit. The HNu or OVA meter, for example, can be placed in a clear plastic bag, which allows reading of the scale and operation of knobs. The probes can be partially wrapped keeping the sensor tip and discharge port clear.

The contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe.

RESPIRATORS:

Respirators will be cleaned and disinfected after every use. Taken from the drop area, the masks (with the cartridges removed and disposed of with other used disposable gear) will be immersed in a cleaning solution and scrubbed gently with a soft brush, followed by a rinse in plain warm water, and then allowed to air dry. In the morning, new cartridges will be installed. Personnel will inspect their own masks for serviceability prior to donning them. And, once the mask is on, the wearer will check the respirator for leakage using the negative and positive pressure fit check techniques.

APPENDIX C

EMPLOYEE EXPOSURE/ INJURY INCIDENT REPORT

EMPLOYEE INCIDENT/INJURY REPORT
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

(Complete and return to Tony Moffa in the Doylestown Office)

Affected Employee Name: _____ Date: _____

Incident type: ☐ Injury ☐ Report Only/No Injury
☐ Near Miss ☐ Other: _____

EMPLOYEE INFORMATION (Person completing Form)

Employee Name: _____ Employee No: _____

Title: _____ Office Location: _____

Length of time employed or date of hire: _____

Mailing address: _____

_____

Sex: M ☐ F ☐ Birth date: _____

Business phone & extension: _____ Residence/cell phone: _____

ACCIDENT INFORMATION

Project: _____ Project #: _____

Date & time of incident: _____ Time work started & ended: _____

Site location: _____

Incident Type: Possible Exposure ☐ Exposure ☐ Physical Injury ☐

Names of person(s) who witnessed the incident: _____

_____

Exact location incident occurred: _____

_____

Describe work being done: _____

_____

_____

Describe what affected employee was doing prior to the incident occurring: _____

_____

_____

Describe in detail how the incident occurred: _____

_____

_____

_____

Nature of the incident (List the parts of the body affected): _____

_____

_____

_____

Person(s) to whom incident was reported (Time and Date): _____

_____

List the names of other persons affected during this incident: _____

_____

Possible causes of the incident (equipment, unsafe work practices, lack of PPE, etc): _____

_____

_____

Weather conditions during incident: _____

MEDICAL CARE INFORMATION

Did affected employee receive medical care? Yes ☐ No ☐

If Yes, when and where was medical care received: _____

Provide name of facility (hospital, clinic, etc.): _____

_____

Length of stay at the facility? _____

Did the employee miss any work time? Yes ☐ No ☐ Undetermined ☐

Date employee last worked: _____ Date employee returned to work: _____

Has the employee returned to work? Yes ☐ No ☐

Does the employee have any work limitations or restrictions from the injury? : Yes ☐ No ☐

If Yes, please describe: _____

_____

Did the exposure/injury result in permanent disability? Yes ☐ No ☐ Unknown ☐

If Yes, please describe: _____

HEALTH & SAFETY INFORMATION

Was the operation being conducted under an established site specific Health and Safety Plan?
Yes ☐ No ☐ Not Applicable: ☐

Describe protective equipment and clothing used by the employee:

_____

_____

_____

Did any limitations in safety equipment or protective clothing contribute to or affect exposure / injury? If so, explain:

_____

_____

_____

_____ _____

Employee Signature Date

_____ _____

Langan Representative Date

APPENDIX D

CALIBRATION LOG

DATE: ______________________________ **PROJECT:** ______________________________

CALIBRATION LOG

Date & Time	Instrument Type	Instrument Number	Media	Initial Reading	Span #	Calibration Reading	Performed By:

APPENDIX E

MATERIAL SAFETY DATA SHEETS (MSDS)

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(b)FLUORANTHENE**

CAS Number: 205-99-2
DOT Number: None

RTK Substance number: 0208
Date: September 1995 Revision: July 2001

HAZARD SUMMARY

* **Benzo(b)fluoranthene** can affect you when breathed in and may be absorbed through the skin.
* **Benzo(b)fluoranthene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.
* Because the major hazards associated with **Benzo(b)fluoranthene** come from exposure to *Coal Tar Pitch, CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEET ON COAL TAR PITCH.*

IDENTIFICATION

Benzo(b)fluoranthene is a colorless, needle-shaped solid. It is used as a research chemical and is present in coal, and coke oven emissions, and petroleum products.

REASON FOR CITATION

* **Benzo(b)fluoranthene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH, NTP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for **Benzo(b)fluoranthene** (measured as *Coal Tar Pitch volatiles*):

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.2 mg/m^3** averaged over an 8-hour workshift.

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(b)fluoranthene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(b)fluoranthene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(b)fluoranthene**:

* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(b)fluoranthene** and can last for months or years:

Cancer Hazard

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. It has been shown to cause lung, liver and skin cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Benzo(b)fluoranthene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Benzo(b)fluoranthene** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Examine your skin periodically for growths or changes in warts or moles. Skin cancers are usually easily curable when removed early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(b)fluoranthene** from drums or other storage containers to process containers.
* A Class I, Type B, biological safety hood should be used when mixing, handling, or preparing **Benzo(b)fluoranthene**.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(b)fluoranthene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(b)fluoranthene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(b)fluoranthene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(b)fluoranthene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Benzo(b)fluoranthene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
* When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(b)fluoranthene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch volatiles*), use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** (as *Coal Tar Pitch volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch volatiles*) exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Health Service
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Health Service, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know Survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

PIH is a DOT designation for chemicals which are Poison Inhalation Hazards.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<

Common Name: **BENZO(b)FLUORANTHENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **205-99-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(b)fluoranthene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(b)fluoranthene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(b)fluoranthene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

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HANDLING AND STORAGE

* Prior to working with **Benzo(b)fluoranthene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* **Benzo(b)fluoranthene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); OZONE; NITROGEN OXIDES; and SULFUR OXIDES.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 5×10^{-7} mm Hg at 68^{o}F (20^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

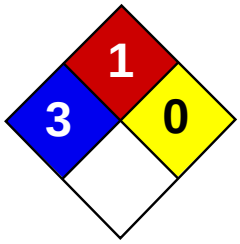
Chemical Name:

Benz(e)acephenanthrylene

Other Names:

2,3-Benzfluoranthene; 3,4-Benzfluoranthene; B(b)F

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202 H4985



Health	3
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Cadmium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Cadmium

Catalog Codes: SLC3484, SLC5272, SLC2482

CAS#: 7440-43-9

RTECS: EU9800000

TSCA: TSCA 8(b) inventory: Cadmium

CI#: Not applicable.

Synonym:

Chemical Name: Cadmium

Chemical Formula: Cd

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Cadmium	7440-43-9	100

Toxicological Data on Ingredients: Cadmium: ORAL (LD50): Acute: 2330 mg/kg [Rat.]. 890 mg/kg [Mouse]. DUST (LC50): Acute: 50 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact: No known effect on eye contact, rinse with water for a few minutes.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 570°C (1058°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Non-flammable in presence of open flames and sparks, of heat, of oxidizing materials, of reducing materials, of combustible materials, of moisture.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 (ppm) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 112.4 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 765°C (1409°F)

Melting Point: 320.9°C (609.6°F)

Critical Temperature: Not available.

Specific Gravity: 8.64 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Reacts violently with potassium.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 890 mg/kg [Mouse]. Acute toxicity of the dust (LC50): 229.9 mg/m3 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. The substance is toxic to kidneys, lungs, liver.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: An allergen. 0047 Animal: embryotoxic, passes through the placental barrier.

Special Remarks on other Toxic Effects on Humans: May cause allergic reactions, exzema and/or dehydration of the skin.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:

Identification:

Special Provisions for Transport:

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Cadmium California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Cadmium Pennsylvania RTK: Cadmium Massachusetts RTK: Cadmium TSCA 8(b) inventory: Cadmium SARA 313 toxic chemical notification and release reporting: Cadmium CERCLA: Hazardous substances.: Cadmium

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R26- Very toxic by inhalation. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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MATERIAL SAFETY DATA SHEET
ERA A Waters Company

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: ERA
ADDRESS: 16341 Table Mountain Parkway, Golden, CO, 80403 U.S.A.
BUSINESS PHONE: 303-431-8454
FAX: 303-421-0159 **EMAIL:** info@eraqc.com
CHEMICAL EMERGENCY PHONE: 352-535-5053 (INFOTRAC)

Product Name(s): Chlordane, PotableWatR™, Chlordane, PriorityPollutnT™
Catalog / Part Number(s): 705, 716, 837, 845, 186004276, 186004394
MSDS Creation Date: November 22, 2005
MSDS Reference Number: 845-705
Revision Date: July 19, 2012

SECTION 2: HAZARDS IDENTIFICATION

Flammable liquid. Toxic. Harmful if inhaled. Toxic in contact with skin and if swallowed. The matrix of the standard is methanol which is classified as dangerous by Directive 199/45/EC. Use only as directed and in accordance with good laboratory practices.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

				EXPOSURE LIMITS		EU LABEL
CHEMICAL INGREDIENT NAME	CAS NUMBER	EC NUMBER	% BY WT.	OSHA	ACGIH	HAZARD LABEL
Methanol	67-56-1	200-659-6	≤99.9	200 ppm	200 ppm; 250 ppm STEL (skin)	

Notes: This standard is a mixture of organic chemicals which are present at levels <0.002% in a matrix of methanol packaged in a 2 ml flame sealed amber ampoule. Exposure Limits are 8-Hour TWA (Time Weighted Average) unless designated C (Ceiling) or STEL (Short Term Exposure Limit). Other components considered Non-Hazardous under OSHA 1910.1200 (HazCom) as they are not present in concentrations exceeding 1% (or 0.1% if considered a known or potential carcinogen).
Material Use: Analytical reagent or certified reference material used in laboratories. Uses also include research and development.

SECTION 4: FIRST-AID MEASURES

Inhalation: Remove to fresh air.
Skin Contact: Flush with water.
Eye Contact: Immediately flush with water for a minimum of 15 minutes.
Ingestion: Methanol may be fatal or cause blindness. Seek immediate medical attention.
Note to Physician: Effects may be delayed. Ethanol may inhibit methanol metabolism.
After following first aid measures, seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties: Flammable Liquid. Vapor may travel considerable distance to source of ignition and flash back.
Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: Methanol burns with a clear, almost invisible flame.
Special Fire Fighting Procedures: Same as for any flammable liquids.
Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Shut off all sources of ignition. Wear appropriate personal protective equipment. Absorb with spill pillow or other absorbent and place in closed container for later disposal.

SECTION 7: HANDLING AND STORAGE

Keep container tightly closed. Avoid contact with skin and eyes. Store at 2-6°C. Avoid sources of ignition. Handle in accordance with good laboratory practices. This product is intended for use only by people trained in the safety and handling of chemicals and laboratory preparations.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Handle in accordance with good laboratory practices.
Respiratory Protection: Not normally needed. If exposure limits are exceeded, use approved/certified respirator.
Eye Protection: Splash goggles.
Skin Protection: Neoprene or other chemical resistant gloves. Disposable nitrile are acceptable for light intermittent exposure.
Engineering Controls: Work in a fume hood or use general or other local exhaust ventilation to meet Exposure Limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DATA FOR MATRIX (Methanol):

Appearance:	**Colorless liquid**	**Specific Gravity:**	**0.7915**	**Melting Point:**	**-97.8°C**
Physical State:	**Liquid**	**Flash Point:**	**CC 12°C (53.6°F)**	**Vapor Pressure:**	**12.3 kPa at 20°C**
Odor:	**Slight**	**Explosion Limits:**	**LEL 6% UEL 36.5%**	**Vapor Density (air=1):**	**1.11**
pH:	**NA**	**Boiling Point:**	**64.5°C**	**Solubility in Water:**	**Soluble**

SECTION 10: STABILITY AND REACTIVITY

Hazardous Polymerization Will Not Occur __X__ May Occur____ Stability: Stable __X__ Unstable ____

Hazardous Decomposition/Combustion Products: Carbon monoxide, carbon dioxide.
Conditions and Materials to Avoid: Heat, flame, sources of ignition.

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Route(s) of Exposure Under Normal Use: Inhalation, eye contact, absorbed through skin.

Target Organ(s): Respiratory system, eyes, kidney, and central nervous system.

Acute Effects: Headache, nausea, dizziness, blurred vision, central nervous system depression, respiratory depression.
Methanol: Oral, rat: LD50 =5628 mg/kg; Dermal, rabbit: LD50=5628mg/kg; Inhalation, rat: LC50 = 64,000 ppm/4H

Chronic Effects: Impaired vision, dermatitis.

Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH, or California. Methanol is listed as RTK in Massachusetts, Pennsylvania & New Jersey.

SECTION 12: ECOLOGICAL INFORMATION

Methanol: Dangerous to aquatic life in high concentrations. Etoxicity in water (LC50): 29400 mg/L 96 hours [Fish (Fathead minnow)].

SECTION 13: DISPOSAL CONSIDERATIONS

To determine proper disposal, consult applicable federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

Shipping Name: Methanol, Solution
UN Number: 1230 Shipping/Hazardous Class: 3 Packing Group: II
Shipping regulations are based on combinations of criteria such as quantity, class and packaging according to DOT, IATA and (49) CFR.

Additional information: This product may be shipped as part of chemical kit composed of various compatible dangerous goods for analytical testing purposes. Then this kit would have the following classification: Shipment Name: Chemical Kit Hazard Class 9 UN Number 3316

SECTION 15: REGULATORY INFORMATION

EU Symbol of Danger: Flammable (F); Toxic (T)
EU Risk Phrases: Highly Flammable [R 11]; Toxic by inhalation, in contact with skin and if swallowed [R 23/24/25]; Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed [R 39/23/24/25].

U.S. TSCA:	**Constitutes listed**
Canada:	**This product has been classified according to the hazard criteria of the CPR and this MSDS contains all the information required by the CPR.**

SECTION 16: OTHER INFORMATION

United States EPA Regulatory Information:		**NFPA Rating:**	**Health: 1**	**Flammability: 3**	**Reactivity: 0**	
SARA 313:	**Methanol**	**These ratings are for Methanol**				
CERCLA RQ:	**5000 lbs**	**HMIS Rating:**	**Health: 2**	**Flammability: 3**	**Physical Hazard:**	**0**

NOTE: NA = Data not available, not established, determined or not pertinent.

SUPELCO INC -- 48574, DIBENZO (A,H) ANTHRACENE 0.1G -- 6810-00N032523

========== Product Identification ==========

Product ID:48574, DIBENZO (A,H) ANTHRACENE 0.1G
MSDS Date:12/19/1985
FSC:6810
NIIN:00N032523
MSDS Number: BNSSL
=== Responsible Party ===
Company Name:SUPELCO INC
Address:SUPELCO PARK
City:BELLEFONTE
State:PA
ZIP:16823-0048
Country:US
Info Phone Num:814-359-3441
Emergency Phone Num:814-359-3441
CAGE:54968
=== Contractor Identification ===
Company Name:SIGMA-ALDRICH INC.
Address:3050 SPRUCE STREET
Box:14508
City:ST. LOUIS
State:MO
ZIP:63103
Country:US
Phone:314-771-5765/414-273-3850X5996
CAGE:54968

========== Composition/Information on Ingredients ==========

Ingred Name:DIBENZ A,H ANTHRACENE
CAS:53-70-3
RTECS #:HN2625000
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

========== Hazards Identification ==========

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:REPORTED ANIMAL CARCINOGEN.
Explanation of Carcinogenicity:DIBENZ(A,H) ANTHRACENE: GROUP 2A(IARC),
ANTICIPATED TO BE CARCINOGEN (NTP).
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

========== First Aid Measures ==========

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MIN. CONTACT A
PHYSICIAN. SKIN: FLUSH WITH LARGE VOLUMES OF WATER. CONTACT A
PHYSICIAN. INHAL: IMMED MOVE TO FRESH AIR. INGEST: CONTACT A
PHYSICIAN.

========== Fire Fighting Measures ==========

Lower Limits:1%

Extinguishing Media:WATER, CO2, DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL
PROTECTIVE EQUIPMENT .

========== Accidental Release Measures ==========

Spill Release Procedures:SWEEP UP MATERIAL. AVOID GENERATING DUST.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

========== Handling and Storage ==========

Handling and Storage Precautions:STORE IN SEALED CONTAINER IN COOL, DRY
LOCATION. AVOID GENERATING DUST.
Other Precautions:REPORTED CANCER HAZARD. AVOID EYE OR SKIN CONTACT.

========== Exposure Controls/Personal Protection ==========

Respiratory Protection:WEAR NIOSH/MSHA APPROVED SCBA.
Ventilation:USE ONLY IN WELL VENTILATED AREA.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:CHEMICAL WORKERS GOGGLES .
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

========== Physical/Chemical Properties ==========

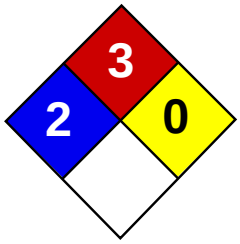
HCC:T6
Boiling Pt:B.P. Text:509F,265C
Vapor Density:9.60
Spec Gravity:>1(H2O=1)
Appearance and Odor:OFF-WHITE TO YELLOW-GREEN CRYSTALLINE

========== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS.

========== Disposal Considerations ==========

Waste Disposal Methods:COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR
LOCAL REGULATIONS.



Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Ethylbenzene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Ethylbenzene

Catalog Codes: SLE2044

CAS#: 100-41-4

RTECS: DA0700000

TSCA: TSCA 8(b) inventory: Ethylbenzene

CI#: Not available.

Synonym: Ethyl Benzene; Ethylbenzol; Phenylethane

Chemical Name: Ethylbenzene

Chemical Formula: C8H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Ethylbenzene	100-41-4	100

Toxicological Data on Ingredients: Ethylbenzene: ORAL (LD50): Acute: 3500 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (irritant, sensitizer). CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 432°C (809.6°F)

Flash Points:
CLOSED CUP: 15°C (59°F). (Tagliabue.) OPEN CUP: 26.667°C (80°F) (Cleveland) (CHRIS, 2001) CLOSED CUP: 12.8 C (55 F) (Bingham et al, 2001; NIOSH, 2001) CLOSED CUP: 21 C (70 F) (NFPA)

Flammable Limits: LOWER: 0.8% - 1.6%UPPER: 6.7% - 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Vapors may form explosive mixtures in air.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 125 (ppm) from OSHA (PEL) [United States] TWA: 435 STEL: 545 from OSHA (PEL) [United States] TWA: 435 STEL: 545 (mg/m3) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from ACGIH (TLV) [United States] TWA: 100 STEL: 125 (ppm) [United Kingdom (UK)] TWA: 100 STEL: 125 (ppm) [Belgium] TWA: 100 STEL: 125 (ppm) [Finland] TWA: 50 (ppm) [Norway] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish. Gasoline-like. Aromatic.

Taste: Not available.

Molecular Weight: 106.16 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 136°C (276.8°F)

Melting Point: -94.9 (-138.8°F)

Critical Temperature: 617.15°C (1142.9°F)

Specific Gravity: 0.867 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.66 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: 140 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility:
Easily soluble in diethyl ether. Very slightly soluble in cold water or practically insoluble in water. Soluble in all proportions in Ethyl alcohol. Soluble in Carbon tetrachloride, Benzene. Insoluble in Ammonia. Slightly soluble in Chloroform. Solubility in Water: 169 mg/l @ 25 deg. C.; 0.014 g/100 ml @ 15 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ingnition sources (flames, sparks, static), incompatible materials, light

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Sensitive to light.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation.

Toxicity to Animals: Acute oral toxicity (LD50): 3500 mg/kg [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals:
Lethal Dose/Conc 50% Kill: LD50 [Rabbit] - Route: Skin; Dose: 17800 ul/kg Lowest Published Lethal Dose/Conc: LDL[Rat] - Route: Inhalation (vapor); Dose: 4000 ppm/4 H

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data. May cause cancer based on animals data. IARC evidence for carcinogenicity in animals is sufficient. IARC evidence of carcinogenicity in humans inadequate. May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Can cause mild skin irritation. It can be absorbed through intact skin. Eyes: Contact with vapor or liquid can cause severe eye irritation depending on concentration. It may also cause conjunctivitis. At a vapor exposure level of 85 - 200 ppm , it is mildly and transiently irritating to the eyes; 1000 ppm causes further irritation and tearing; 2000 ppm results in immediate and severe irritation and tearing; 5,000 ppm is intolerable (ACGIH, 1991; Clayton and Clayton, 1994). Standard draize test for eye irritation using 500 mg resulted in severe irritation (RTECS) Inhalation: Exposure to high concentrations can cause nasal, mucous membrane and respiratory tract irritation and can also result in chest constriction and, trouble breathing, respiratory failure, and even death. It can also affect behavior/Central Nervous System. The effective dose for CNS depression in experimental animals was 10,000 ppm (ACGIH, 1991). Symptoms of CNS depression include

headache, nausea, weakness, dizziness, vertigo, irritability, fatigue, lightheadedness, sleepiness, tremor, loss of coordination, judgement and conciousness, coma, and death. It can also cause pulmonary edema. Inhalation of 85 ppm can produce fatigue, insomnia, headache, and mild irritation of the respiratory tract (Haley & Berndt, 1987). Ingestion: Do not drink, pipet or siphon by mouth. May cause gastroinestinal/digestive tract irritation with Abdominal pain, nausea, vomiting. Ethylbenzene is a pulmonary aspiration hazard. Pulmonary aspiration of even small amounts of the liquid may cause fatal pneumonitis. It may also affect behavior/central nervous system with

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 14 mg/l 96 hours [Fish (Trout)] (static). 12.1 mg/l 96 hours [Fish (Fathead Minnow)] (flow-through)]. 150 mg/l 96 hours [Fish (Blue Gill/Sunfish)] (static). 275 mg/l 96 hours [Fish (Sheepshead Minnow)]. 42.3 mg/l 96 hours [Fish (Fathead Minnow)](soft water). 87.6mg/l 96 hours [Shrimp].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Ethylbenzene UNNA: 1175 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Ethylbenzene Illinois toxic substances disclosure to employee act: Ethylbenzene Illinois chemical safety act: Ethylbenzene New York release reporting list: Ethylbenzene Rhode Island RTK hazardous substances: Ethylbenzene Pennsylvania RTK: Ethylbenzene Minnesota: Ethylbenzene Massachusetts RTK: Ethylbenzene Massachusetts spill list: Ethylbenzene New Jersey: Ethylbenzene New Jersey spill list: Ethylbenzene Louisiana spill reporting: Ethylbenzene California Director's List of Hazardous Substances: Ethylbenzene TSCA 8(b) inventory: Ethylbenzene TSCA 4(a) proposed test rules: Ethylbenzene TSCA 8(d) H and S data reporting: Ethylbenzene: Effective Date: 6/19/87; Sunset Date: 6/19/97 SARA 313 toxic chemical notification and release reporting: Ethylbenzene

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASSE D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S24/25- Avoid contact with skin and eyes. S29- Do not empty into drains.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Manufacturer's Material Safety Data Sheet. -Fire Protection Guide to Hazardous Materials, 13th ed., National Fire Protection Association (NFPA) -Registry of Toxic Effects of Chemical Substances (RTECS) -Chemical Hazard Response Information System (CHRIS) -Hazardous Substance Data Bank (HSDB) -New Jersey Hazardous Substance Fact Sheet -Ariel Global View -Reprotext System

Other Special Considerations: Not available.

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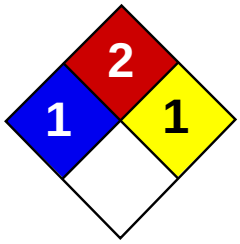

Material Safety Data Sheet
Iron Metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Iron Metal

Catalog Codes: SLI2047, SLI1996

CAS#: 7439-89-6

RTECS: NO4565500

TSCA: TSCA 8(b) inventory: Iron Metal

CI#: Not applicable.

Synonym:

Chemical Name: Iron

Chemical Formula: Fe

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Iron Metal, powder	7439-89-6	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to liver, cardiovascular system, upper respiratory tract, pancreas. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Chlorine Trifluoride reacts with iron with incandescence. Powdered iron reacts with fluorine below redness with incandescence. Reduced iron decomposes with nitrogen dioxide @ ordinary temperature with incandescence. Reacting mass formed by mixture of phosphorus and iron can become incandescent when heated. This material is flammable in powder form only.

Special Remarks on Explosion Hazards: Material in powdered form can explode when exposed to heat or flame

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Moisture sensitive.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid metallic powder.)

Odor: Odorless.

Taste: Tasteless.

Molecular Weight: 55.85 g/mole

Color: Black to Grey.

pH (1% soln/water): Not applicable.

Boiling Point: 3000°C (5432°F)

Melting Point: 1535°C (2795°F)

Critical Temperature: Not available.

Specific Gravity: Density: 7.86 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, diethyl ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, ignition sources, incompatible materials, water/moisture, air, dust generation.

Incompatibility with various substances:
Reactive with oxidizing agents, acids. Slightly reactive to reactive with moisture.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity:
Hot iron(wire) burns in Chlorine gas. Violent decompositon of hydrogen peroxide (53% by weight or greater) may be caused by contact with iron. Readily oxidizes in moist air forming rust. Reactive with halogens. Incompatible with acetaldehyde, ammonium peroxodisulfate, chloroformamidinum, chloric acid, ammonium nitrate, dinitorgen tetroxide, nitryl fluoride, polystyrene, sodium acetylide, potassium dichromate, peroxyformic acid, sulfuric acid, sodium carbide. Readily attacked by dilute mineral acids and or attacked or dissolved by organic acids. Not appreciably attacked by cold sulfuric acid, or nitric acid, but is attacked by hot acids.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 30000 mg/kg [Rat].

Chronic Effects on Humans: May cause damage to the following organs: liver, cardiovascular system, upper respiratory tract, pancreas.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Iron metal filings or dust: May cause skin irritation by mechanical action. Iron metal wire: Not likely to cause skin irritation Eyes: Iron metal filings or dust: Can irritate eyes by mechanical action. Iron metal wire: No hazard. Will not cause eye irritation. Inhalation: Iron dust: Can irritate the respiratory tract by mechanical action. Iron metal wire or filings: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Iron metal wire: Not an ingestion hazard: Iron metal filings or dust: The amount of ingested iron which constitutes a toxic dose is not well defined. Proposed toxic doses of elemental iron are 20 mg/kg for gastrointestinal irritation to greater than 60 mg/kg for systemic toxicity. Gastrointestinal effects are the first signs to appear, with hemorrhagic vomiting and diarrhea, hematochezia, abdominal pain, lethargy, metabolic acidosis, coagulaopathy, shock, coma and convulsions developing from 0 to 6 hours after ingestion. Leukocytosis may also occur. An asymptomatic phase may ensue at 6 to 12 hours postingestion, followed by hypoglycemia or hyperglycemia, hepatic and renal failure, severe acidosis, cyanosis, fever, CNS depression (lethargy, restlessness and/or confusion seizures), hypotension, and cardiovascular collapse/cardiac failure in 12 to 48 hours. Hepatic cirrhosis, gastrointestinal scarring and/or strictures may arise in 2 to 6 weeks. It may also cause an anaphylactoid reaction. Non-cardiogenic pulmonary edema also develop in severe cases of iron intoxication. Chronic Potential Health Effects: Inhalation: Chronic inhalation of iron dust can lead to accumulation in the lungs and a characteristic stippled appearance on X-rays. This condition, called SIDEROSIS, is considered benign in that it does not interfere with lung function and does not predispose to other disease. Chronic inhalation of iron dust may also cause fibrosis in the lungs. Ingestion: Clinical signs of iron overload appear when the total body iron is 5 to 10 times higher than normal. Neurobehavioral defects including depression, decreased activity, habituation, reflex startle, and conditioned avoidance response performance may occur. However, similiar effects were also seen in iron defficiency. It is therefore likely that these behavioral effects are secondary to general toxicity. High serum iron levels may be associated with an increased risk of fatal acute myocardial infarction (MI). Skin: Prolonged or repeated contact may cause hypersensivity.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Metal powder, flammable, n.o.s. (Iron metal powder) UNNA: 3089 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California Director's List of Hazardous Substances: Iron Metal TSCA 8(b) inventory: Iron Metal

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS B-4: Flammable solid.

DSCL (EEC):
R11- Highly flammable. S16- Keep away from sources of ignition - No smoking. S22- Do not breathe dust.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 2

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 2

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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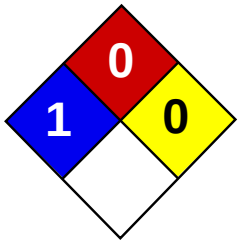

Material Safety Data Sheet
Lead MSDS

Section 1: Chemical Product and Company Identification

Product Name: Lead

Catalog Codes: SLL1291, SLL1669, SLL1081, SLL1459, SLL1834

CAS#: 7439-92-1

RTECS: OF7525000

TSCA: TSCA 8(b) inventory: Lead

CI#: Not available.

Synonym: Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot

Chemical Name: Lead

Chemical Formula: Pb

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Lead	7439-92-1	100

Toxicological Data on Ingredients: Lead LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Non-flammable in presence of open flames and sparks, of shocks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits highly toxic fumes of lead.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.05 (mg/m3) from OSHA (PEL) [United States] TWA: 0.03 (mg/m3) from NIOSH [United States] TWA: 0.05 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 207.21 g/mole

Color: Bluish-white. Silvery. Gray

pH (1% soln/water): Not applicable.

Boiling Point: 1740°C (3164°F)

Melting Point: 327.43°C (621.4°F)

Critical Temperature: Not available.

Specific Gravity: 11.3 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential: Skin: Lead metal granules or dust: May cause skin irritation by mechanical action. Lead metal foil, shot or sheets: Not likely to cause skin irritation Eyes: Lead metal granules or dust: Can irritate eyes by mechanical action. Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation. Inhalation: In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes. Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungsby mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually abssorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, deliriuim, convulsions/seizures, coma, and death. Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases. Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Lead California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead Connecticut hazardous material survey.: Lead Illinois toxic substances disclosure to employee act: Lead Illinois chemical safety act: Lead New York release reporting list: Lead Rhode Island RTK hazardous substances: Lead Pennsylvania RTK: Lead

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R20/22- Harmful by inhalation and if swallowed. R33- Danger of cumulative effects. R61- May cause harm to the unborn child. R62- Possible risk of impaired fertility. S36/37- Wear suitable protective clothing and gloves. S44- If you feel unwell, seek medical advice (show the label when possible). S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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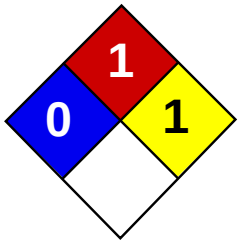
Last Updated: 06/09/2012 12:00 PM



Material Safety Data Sheet
Magnesium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Magnesium

Catalog Codes: SLM4408, SLM2263, SLM3637

CAS#: 7439-95-4

RTECS: OM2100000

TSCA: TSCA 8(b) inventory: Magnesium

CI#: Not applicable.

Synonym: Magnesium ribbons, turnings or sticks

Chemical Name: Magnesium

Chemical Formula: Mg

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Magnesium	7439-95-4	100

Toxicological Data on Ingredients: Magnesium LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Flammable in presence of acids, of moisture. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of acids, of moisture.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Magnesium turnings, chips or granules, ribbons, are flammable. They can be easily ignited. They may reignite after fire is extinguished. Produces flammable gases on contact with water and acid. May ignite on contact with water or moist air. Magnesium fires do not flare up violently unless moisture is present.

Special Remarks on Explosion Hazards: Reacts with acids and water to form hydrogen gas with is highly flammable and eplosive

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid. Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage:
Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Moisture sensitive. Dangerous when wet.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 24.31 g/mole

Color: Silver-white

pH (1% soln/water): Not applicable.

Boiling Point: 1100°C (2012°F)

Melting Point: 651°C (1203.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.74 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Very slightly soluble in hot water. Insoluble in cold water. Insoluble in chromium trioxides, and mineral acids, alkalies. Slightly soluble with decomposition in hot water. Soluble in concentrated hydrogen fluoride, and ammonium salts.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, incompatible materials, water or moisture, moist air.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Violent chemical reaction with oxidizing agents. Reacts with water to create hydrogen gas and heat. Must be kept dry. Reacts with acids to form hydrogen gas which is highly flammable and explosive. Magnesium forms hazardous or explosive mixtures with aluminum and potassium perchlorate; ammonium nitrate; barium nitrate, barium dioxide and zinc; beryllium oxide; boron phosphodiiodide; bromobenzyl trifluoride; cadmium cyanide; cadmium oxide; calcium carbide; carbonates; carbon tetrachloride; chlorine; chlorine trifluoride; chloroform; cobalt cyanide; copper cyanide; copper sulfate(anhydrous), ammonium nitrate, potassium chlorate and water; cupric oxide; cupric sulfate; fluorine; gold cyanide; hydrogen and calcium carbonate; hydrogen iodide; hydrogen peroxide; iodine; lead cyanide; mercuric oxide; mercury cyanide; methyl chloride; molybdenum trioxide; nickel cyanide; nitric acid; nitrogen dioxide; oxygen (liquid); performic acid; phosphates; potassium chlorate; potassium perchlorate; silver nitrate; silver oxide; sodium perchlorate; sodium peroxide; sodium peroxide and carbon dioxide; stannic oxide; sulfates; trichloroethylene; zinc cyanide; zinc oxide.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation by mechanical action. May get mechanical injury or embedding of chips/particles in skin. The particles that are embedded in the wounds may retard healing. Eyes: May cause eye irritation by mechanical action. Mechanical injury may occur. Particles or chips may embed in eye and retard healing. Inhalation: Low hazard for ususal industrial handling. It may cause respiratory tract irritation. However, it is unlikely due to physical form. When Magnesium metal is heated during welding or smelting process, Metal Fume Fever may result from inhalation of magnesium fumes. Metal Fume Fever is a flu-like condition consisting of fever, chills, sweating, aches, pains, cough, weakness, headache, nausea, vomiting, and breathing difficulty. Other symptoms may include metallic taste, increased white blood cell count. There is no permanent ill-effect. Ingestion: Low hazard for usual industrial handling. There are no known reports of serious industrial poisonings with Magnesium. Ingeston of large amounts of chips, turnings or ribbons may cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea. Acute ingestion may also result in Hypermagnesia. Hypermagnesia may cause hypotension, bradycardia, CNS depression, respiratory depression, and impairment of neuromuscular transmission (hyporeflexia, paralysis).

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Magnesium UNNA: 1869 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Magnesium Rhode Island RTK hazardous substances: Magnesium Pennsylvania RTK: Magnesium Massachusetts RTK: Magnesium Massachusetts spill list: Magnesium New Jersey: Magnesium TSCA 8(b) inventory: Magnesium

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid. CLASS B-6: Reactive and very flammable material.

DSCL (EEC):
R11- Highly flammable. R15- Contact with water liberates extremely flammable gases. S7/8- Keep container tightly closed and dry. S43- In case of fire, use dry chemical. Never use water.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 3

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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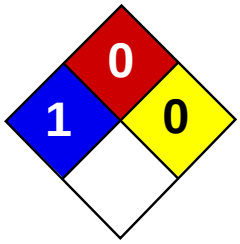
Last Updated: 06/09/2012 12:00 PM



Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Manganese Metal Powder MSDS

Section 1: Chemical Product and Company Identification

Product Name: Manganese Metal Powder

Catalog Codes: SLM4390

CAS#: 7439-96-5

RTECS: OO9275000

TSCA: TSCA 8(b) inventory: Manganese

CI#: Not available.

Synonym:

Chemical Name: Manganese

Chemical Formula: Mn

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Manganese	7439-96-5	100

Toxicological Data on Ingredients: Manganese: ORAL (LD50): Acute: 9000 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, lungs, brain, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:
Moderate fire potential, in the form of dust or powder, when exposed to flame. When manganese if heated in the vapor of phosphorus at a very dull red heat, union occurs with incandescence. Concentrated nitric acid reacts with powdered manganese with incandescence and explosion. Powdered manganese ignites in chlorine.

Special Remarks on Explosion Hazards: Moderate explosion potential, in the form of dust or powder, when exposed to flame.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, reducing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.1 (mg/m3) from ACGIH (TLV) [United States] TWA: 5 (mg/m3) [Canada] TWA: 1 STEL: 3 (mg/m3) from NIOSH [United States] TWA: 5 (mg/m3) from OSHA (PEL) [United States]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Powdered solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 54.94 g/mole

Color: Grayish white.

pH (1% soln/water): Not applicable.

Boiling Point: 2095°C (3803°F)

Melting Point: 1244°C (2271.2°F)

Critical Temperature: Not available.

Specific Gravity: 7.44 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, reducing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Superficially oxidized on exposure to air. Reacts with aqueous solutions of sodium or potassium bicarbonate. Reacts with dilute mineral acids with evolution of hydrogen and formation of divalent manganous salts. Reacts with fluorine and chlorine to produce di or tri fluoride, and di and tri chloride, respectively. In the form of powder, it reduces most metallic oxides on heating. On heating, it reacts directly with carbon, phosphorus, antimony, or arsenic. Also incompatible with hydroxides, cyanides, carbonates.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 9000 mg/kg [Rat].

Chronic Effects on Humans: May cause damage to the following organs: blood, lungs, brain, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
Manganese can cross the placenta. May cause cancer (tumorigenic) based on animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritaiton Eyes: Dust may cause mechanical irritation. Inhalation: Dust may cause respiratory tract irritation. May cause "Metal Fume Fever" which may include flu-like symptoms (fever, chills, upset stomach, vomiting, weakness, headache, body aches, muscle pains, dry mouth and throat, coughing, tightness of the chest). May affect behavior/Central Nervous system (change in motor activity, torpor, nervousness, tremor, yawning, mood swings, irritability, restlessness, fatigue, headache, apathy, languor, insomnia than somnolence, hallucinations, delusions, uncontrollable laughter followed by crying, compulsions, aggressivness, weakness in legs, memory loss, decreased libido, impotence, salivation, hearing loss, slow gait,), and respiration (dyspnea, shallow respiration, cyanosis, alveolar inflammation). Ingestion: Repeated or prolonged exposure from ingestion may affect brain (degenerative changes), blood and metabolism. Ingestion: May cause digestive tract irritation. There is a low gastrointesitnal absorption of manganese. Chronic Potential Health Effects: Inhalation: Repeated or prolonged exposure from inhalation may affect brain (degeneratiave changes), behavior/Central Nervous system with symptoms to acute exposure. May also affect liver (chronic liver disease, jaundice) Ingestion: Repeated or prolonged exposure from ingestion may affect brain, blood and metabolism

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Illinois toxic substances disclosure to employee act: Manganese Rhode Island RTK hazardous substances: Manganese Pennsylvania RTK: Manganese Minnesota: Manganese Massachusetts RTK: Manganese New Jersey: Manganese New Jersey spill list: Manganese Louisiana spill reporting: Manganese California Director's List of Hazardous Substances: Manganese TSCA 8(b) inventory: Manganese SARA 313 toxic chemical notification and release reporting: Manganese

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): Not applicable.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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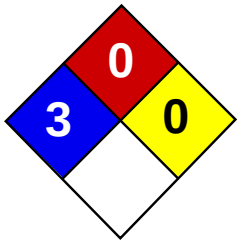

Material Safety Data Sheet
Mercury MSDS

Section 1: Chemical Product and Company Identification

Product Name: Mercury

Catalog Codes: SLM3505, SLM1363

CAS#: 7439-97-6

RTECS: OV4550000

TSCA: TSCA 8(b) inventory: Mercury

CI#: Not applicable.

Synonym: Quick Silver; Colloidal Mercury; Metallic Mercury; Liquid Silver; Hydragyrum

Chemical Name: Mercury

Chemical Formula: Hg

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Mercury	7439-97-6	100

Toxicological Data on Ingredients: Mercury LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.

Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:
When thrown into mercury vapor, boron phosphodiiodide ignites at once. Flame forms with chlorine jet over mercury surface at 200 deg to 300 deg C. Mercury undergoes hazardous reactions in the presence of heat and sparks or ignition.

Special Remarks on Explosion Hazards:
A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium. CHLORINE DIOXIDE & LIQUID HG, WHEN MIXED, EXPLODE VIOLENTLY. Mercury and Ammonia can produce an

explosive compound. A mixture of the dry carbonyl and oxygen will explode on vigorous shaking with mercury. Methyl azide in the presence of mercury was shown to be potentially explosive.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, metals.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.025 from ACGIH (TLV) [United States] SKIN TWA: 0.05 CEIL: 0.1 (mg/m3) from OSHA (PEL) [United States] Inhalation TWA: 0.025 (mg/m3) [United Kingdom (UK)] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Heavy liquid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 200.59 g/mole

Color: Silver-white

pH (1% soln/water): Not available.

Boiling Point: 356.73°C (674.1°F)

Melting Point: -38.87°C (-38°F)

Critical Temperature: 1462°C (2663.6°F)

Specific Gravity: 13.55 (Water = 1)

Vapor Pressure: Not available.

Vapor Density: 6.93 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Ground mixtures of sodium carbide and mercury, aluminum, lead, or iron can react vigorously. A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium. Incompatible with boron diiodophosphide; ethylene oxide; metal oxides, metals(aluminum, potassium, lithium, sodium, rubidium); methyl azide; methylsilane, oxygen; oxidants(bromine, peroxyformic acid, chlorine dioxide, nitric acid, tetracarbonynickel, nitromethane, silver perchlorate, chlorates, sulfuric acid, nitrates,); tetracarbonylnickel, oxygen, acetylinic compounds, ammonia, ethylene oxide, methylsiliane, calcium,

Special Remarks on Corrosivity:
The high mobility and tendency to dispersion exhibited by mercury, and the ease with which it forms alloys (amalga) with many laboratory and electrical contact metals, can cause severe corrosion problems in laboratories. Special precautions: Mercury can attack copper and copper alloy materials.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May affect genetic material. May cause cancer based on animal data. Passes through the placental barrier in animal. May cause adverse reproductive effects(paternal effects- spermatogenesis; effects on fertility - fetotoxicity, post-implantation mortality), and birth defects.

Special Remarks on other Toxic Effects on Humans:

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Class 8: Corrosive material

Identification: : Mercury UNNA: 2809 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Mercury California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Mercury Connecticut hazardous material survey.: Mercury Illinois toxic substances disclosure to employee act: Mercury Illinois chemical safety act: Mercury New York acutely hazardous substances: Mercury Rhode Island RTK hazardous substances: Mercury Pennsylvania RTK: Mercury Minnesota: Mercury Massachusetts RTK: Mercury New Jersey: Mercury New Jersey spill list: Mercury Louisiana spill reporting: Mercury California Director's List of Hazardous Substances.: Mercury TSCA 8(b) inventory: Mercury SARA 313 toxic chemical notification and release reporting: Mercury CERCLA: Hazardous substances.: Mercury: 1 lbs. (0.4536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.

DSCL (EEC):
R23- Toxic by inhalation. R33- Danger of cumulative effects. R38- Irritating to skin. R41- Risk of serious damage to eyes. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S2- Keep out of the

reach of children. S7- Keep container tightly closed. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label. S60- This material and its container must be disposed of as hazardous waste. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

Personal Protection:

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:22 PM

Last Updated: 06/09/2012 12:00 PM

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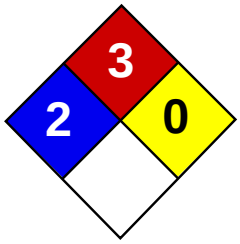

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Methyl tert-butyl ether MSDS

Section 1: Chemical Product and Company Identification

Product Name: Methyl tert-butyl ether

Catalog Codes: SLM2152

CAS#: 1634-04-4

RTECS: KN5250000

TSCA: TSCA 8(b) inventory: Methyl tert-butyl ether

CI#: Not available.

Synonym:

Chemical Name: Methyl tert-Butyl Ether

Chemical Formula: C5-H12-O

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Methyl {tert-}butyl ether	1634-04-4	100

Toxicological Data on Ingredients: Methyl tert-butyl ether: ORAL (LD50): Acute: 4000 mg/kg [Rat]. 5960 mg/kg [Mouse]. VAPOR (LC50): Acute: 23576 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 224°C (435.2°F)

Flash Points: CLOSED CUP: -28°C (-18.4°F).

Flammable Limits: LOWER: 2.5% UPPER: 15.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Characteristic. (Strong.)

Taste: Not available.

Molecular Weight: 88.15 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 55.2°C (131.4°F)

Melting Point: -109°C (-164.2°F)

Critical Temperature: Not available.

Specific Gravity: 0.7405 (Water = 1)

Vapor Pressure: 245 mm of Hg (@ 20°C)

Vapor Density: 3.1 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether.

Solubility:

Soluble in methanol, diethyl ether. Partially soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4000 mg/kg [Rat]. Acute toxicity of the vapor (LC50): 23576 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: The substance is toxic to lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Extremely hazardous in case of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Methyl tert-butyl ether : UN2398 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Methyl tert-butyl ether Massachusetts RTK: Methyl tert-butyl ether TSCA 8(b) inventory: Methyl tert-butyl ether SARA 313 toxic chemical notification and release reporting: Methyl tert-butyl ether CERCLA: Hazardous substances.: Methyl tert-butyl ether

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R38- Irritating to skin. R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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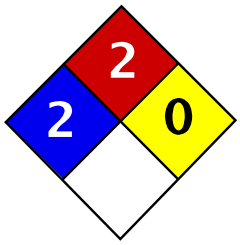


Health	2
Fire	2
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Naphthalene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Naphthalene

Catalog Codes: SLN1789, SLN2401

CAS#: 91-20-3

RTECS: QJ0525000

TSCA: TSCA 8(b) inventory: Naphthalene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C10H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphthalene	91-20-3	100

Toxicological Data on Ingredients: Naphthalene: ORAL (LD50): Acute: 490 mg/kg [Rat]. 533 mg/kg [Mouse]. 1200 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. VAPOR (LC50): Acute: 170 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, permeator). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 567°C (1052.6°F)

Flash Points: CLOSED CUP: 88°C (190.4°F). OPEN CUP: 79°C (174.2°F).

Flammable Limits: LOWER: 0.9% UPPER: 5.9%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid.
Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
Israel: TWA: 10 (ppm)
TWA: 10 STEL: 15 (ppm) from ACGIH (TLV) [1995]
TWA: 52 STEL: 79 (mg/m3) from ACGIH [1995]
Australia: STEL: 15 (ppm)
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 128.19 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 218°C (424.4°F)

Melting Point: 80.2°C (176.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.162 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 4.4 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.038 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in hot water, methanol, n-octanol.
Very slightly dispersed in cold water.
See solubility in methanol, n-octanol.

Solubility:
Partially soluble in methanol, n-octanol.
Very slightly soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: May attack some forms of rubber and plastic

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 490 mg/kg [Rat].
Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].
Acute toxicity of the vapor (LC50): 170 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.

DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of ingestion.
Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 305.2 ppm 96 hour(s) [Trout].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Naphthalene, refined : UN1334 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Naphthalene
Pennsylvania RTK: Naphthalene
Florida: Naphthalene
Minnesota: Naphthalene
Massachusetts RTK: Naphthalene
TSCA 8(b) inventory: Naphthalene
TSCA 8(a) PAIR: Naphthalene
TSCA 8(d) H and S data reporting: Naphthalene: 06/01/87
SARA 313 toxic chemical notification and release reporting: Naphthalene: 1%
CERCLA: Hazardous substances.: Naphthalene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid.
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36- Irritating to eyes.
R40- Possible risks of irreversible effects.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/23- Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R63- Possible risk of harm to the unborn child.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

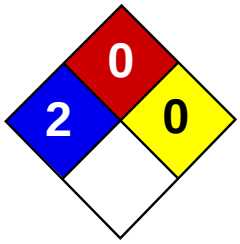
Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/11/2005 01:30 PM

Last Updated: 10/11/2005 01:30 PM



Health	2
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Nickel metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Nickel metal

Catalog Codes: SLN2296, SLN1342, SLN1954

CAS#: 7440-02-0

RTECS: QR5950000

TSCA: TSCA 8(b) inventory: Nickel metal

CI#: Not applicable.

Synonym: Nickel Metal shot; Nickel metal foil.

Chemical Name: Nickel

Chemical Formula: Ni

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Nickel metal	7440-02-0	100

Toxicological Data on Ingredients: Nickel metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer), of ingestion, of inhalation (lung sensitizer). CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to skin. The substance may be toxic to kidneys, lungs, liver, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion. This material is flammable in powder form only.

Special Remarks on Explosion Hazards:
Material in powder form, capable of creating a dust explosion. Mixtures containing Potassium Perchlorate with Nickel & Titanium powders & infusorial earth can explode. Adding 2 or 3 drops of approximately 90% peroxyformic acid to powdered nickel will result in explosion. Powdered nickel reacts explosively upon contact with fused ammonium nitrate at temperatures below 200 deg. C.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, combustible materials, metals, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 1 (mg/m3) from ACGIH (TLV) [United States] Inhalation Respirable. TWA: 0.5 (mg/m3) [United Kingdom (UK)] TWA: 1 (mg/m3) from OSHA (PEL) [United States] InhalationConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid. Lustrous solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 58.71 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 2730°C (4946°F)

Melting Point: 1455°C (2651°F)

Critical Temperature: Not available.

Specific Gravity: Density: 8.908 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:

Insoluble in cold water, hot water. Insoluble in Ammonia. Soluble in dilute Nitric Acid. Slightly soluble in Hydrochloric Acid, Sulfuric Acid.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, combustible materials, metals, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong acids, selenium, sulfur, wood and other combustibles, nickel nitrate, aluminum, aluminum trichloride, ethylene, p-dioxan, hydrogen, methanol, non-metals, oxidants, sulfur compounds, aniline, hydrogen sulfide, flammable solvents, hydrazine, and metal powders (especially zinc, aluminum, and magnesium), ammonium nitrate, nitryl fluoride, bromine pentafluoride, potassium perchlorate + titanium powder + indusorial earth.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP. Causes damage to the following organs: skin. May cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract.

Other Toxic Effects on Humans:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose/Conc: LDL [Rat] - Route: Oral; Dose: 5000 mg/kg LDL [Guinea Pig] - Route: Oral; Dose: 5000 mg/kg

Special Remarks on Chronic Effects on Humans: May cause cancer based on animal test data

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Nickel dust and fume can irritate skin. Eyes: Nickel dust and fume can irritate eyes. Inhalation: Inhalation of dust or fume may cause respiratory tract irritation with non-productive cough, hoarseness, sore throat, headache, vertigo, weakness, chest pain, followed by delayed effects, including tachypnea, dyspnea, and ARDS. Death due to ARDS has been reported following inhalation of high concentrations of respirable metallic nickel dust. Later effects may include pulmonary edema and fibrosis. Ingestion: Metallic nickel is generally considered not to be acutely toxic if ingested. Ingestion may cause nausea, vomiting, abdominal , and diarrhea. Nickel may damage the kidneys(proteinuria), and may affect liver function. It may also affect behavior (somnolence), and cardiovascular system (increased cornary artery resistance, decreased myocardial contractility, myocardial damage, regional or general arteriolar or venus dilation). Chronic Potential Health Effects: Skin: May cause skin allergy. Nickel and nickel compounds are among the most common sensitizers inducing allergic contact dermatitis. Inhalation: Chronic inhalation nickel dust or fume can cause chronic hypertrophic rhinitis, sinusitis, nasal polyps, perforation of the nasal septum, chronic pulmonary irritation, fibrosis, pulmonary edema, pulmonary eosinophilia, Pneumoconiosis, allergies (asthma-like allergy), and cancer of the nasal sinus cavities, lungs, and possibly other organs. Future exposures can cause asthma attacks with shortness of breath, wheezing, cough, and/or chest tightness. Chronic inhalation of nickel dust or fume may also affect the liver (impaired liver function tests), and blood (changes in red blood cell count). Ingestion: Prolonged or repeated ingestion of nickel can be a source chronic urticaria and other signs of allergy.

Chronic ingestion of NIckel may also affect respiration and cause pneumoconiosis or fibrosis. Note: In the general population, sensitization occurs from exposure to nickel-containing coins, jewelry, watches,

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Nickel metal California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Nickel metal Connecticut hazardous material survey.: Nickel metal Illinois toxic substances disclosure to employee act: Nickel metal Illinois chemical safety act: Nickel metal New York release reporting list: Nickel metal Rhode Island RTK hazardous substances: Nickel metal Pennsylvania RTK: Nickel metal Michigan critical material: Nickel metal Massachusetts RTK: Nickel metal Massachusetts spill list: Nickel metal New Jersey: Nickel metal New Jersey spill list: Nickel metal Louisiana spill reporting: Nickel metal California Director's List of Hazardous Substances: Nickel metal TSCA 8(b) inventory: Nickel metal

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R43- May cause sensitization by skin contact. S22- Do not breathe dust. S36- Wear suitable protective clothing.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:42 PM

Last Updated: 06/09/2012 12:00 PM

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Monsanto
Material Safety Data

POLYCHLORINATED BIPHENYLS (PCBs)

Emergency Phone No.
(Call Collect)
314-694-1000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYCHLORINATED BIPHENYLS (PCBs)
Aroclor® Series 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268
Therminol® FR Series

MSDS Number: M00018515 Date: 12/95

Chemical Family:	Chlorinated Hydrocarbons
Chemical Name:	Polychlorinated biphenyls
Synonyms:	PCBs, Chlorodiphenyls, Chlorinated biphenyls

Trade Names/Common Names:

PYRANOL® and INERTEEN® are trade names for commonly used dielectric fluids that may have contained varying amounts of PCBs as well as other components including chlorinated benzenes.

ASKAREL is the generic name for a broad class of fire resistant synthetic chlorinated hydrocarbons and mixtures used as dielectric fluids that commonly contained about 30 - 70% PCBs. Some ASKAREL fluids contained 99% or greater PCBs and some contained no PCBs.

PYDRAUL® is the trade name for hydraulic fluids that, prior to 1972, may have contained varying amounts of PCBs and other components including phosphate esters.

The product names/trade names are representative of several commonly used Monsanto products (or products formulated with Monsanto products). Other trademarked PCB products were marketed by Monsanto and other manufacturers. PCBs were also manufactured and sold by several European and Japanese companies. Contact the manufacturer of the trademarked product, if not in this listing, to determine if the formulation contained PCBs.

In 1972, Monsanto restricted sales of PCBs to applications involving only closed electrical systems, (transformers and capacitors). In 1977, all manufacturing and sales were voluntarily terminated. In 1979, EPA restricted the manufacture, processing, use, and distribution of PCBs to specifically exempted and authorized activities.

MONSANTO COMPANY, 800 N. LINDBERGH BLVD., ST. LOUIS, MO 63167

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT
Call CHEMTREC - Day or Night - 1-800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere: 202-483-7616 (collect calls accepted)

For additional nonemergency information, call: 314-694-3344.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemically, commercial PCBs are defined as a series of technical mixtures, consisting of many isomers and compounds that vary from mobile, oily liquids to white crystalline solids and hard noncrystalline resins. Technical products vary in composition, in the degree of chlorination, and possibly according to batch.

The mixtures generally used contain an average of 3 atoms of chlorine per molecule (42% chlorine) to 5 atoms of chlorine per module (54% chlorine). They were used as components of dielectric fluids in transformers and capacitors. Prior to 1972, PCB applications included heat transfer media, hydraulic, and other industrial fluids, plasticizers, carbonless copy paper, paints, inks, and adhesives.

Component	CAS No.
chlorinated biphenyl	1336-36-3
Aroclor 1016	12674-11-2
Aroclor 1221	11104-28-2
Aroclor 1232	11141-16-5
Aroclor 1242	53469-21-9
Aroclor 1248	12672-29-6
Aroclor 1254	11097-69-1
Aroclor 1260	11096-82-5
Aroclor 1262	37324-23-5
Aroclor 1268	11100-14-4

There are also CAS Numbers for individual PCB congeners and for mixtures of Aroclor® products.

PCBs are identified as hazardous chemicals under criteria of the OSHA Hazard Communication Standard (29 CFR Part 1910.1200). PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Annual Report on Carcinogens (Seventh).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: PCB mixtures range in form and color from clear to amber liquids to white crystalline solids. They have a mild, distinctive odor and are not volatile at room temperature. Refer to Section 9 for details.

WARNING!
CAUSES EYE IRRITATION
MAY CAUSE SKIN IRRITATION

PROCESSING AT ELEVATED TEMPERATURES MAY RELEASE VAPORS OR FUMES WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes of Exposure: Skin contact and inhalation of heated vapors

Eye Contact: Causes moderate irritation based on worker experience.

Skin Contact: Prolonged or repeated contact may result in redness, dry skin and defatting based on human experience. A potential exists for developing chloracne. PCBs can be absorbed through intact skin.

Inhalation: Due to the low volatility of PCBs, exposure to this material in ambient conditions is not expected to produce adverse health effects. However, at elevated processing temperatures, PCBs may produce a vapor that may cause respiratory tract irritation if inhaled based on human experience.

Ingestion: No more than slightly toxic based on acute animal toxicity studies. Coughing, choking and shortness of breath may occur if liquid material is accidentally drawn into the lungs during swallowing or vomiting.

Other: Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove any contact lenses. Get medical attention. Remove material from skin and clothing.

IF ON SKIN, immediately flush the area with plenty of water. Wash skin gently with soap as soon as it is available. Get medical attention if irritation persists.

IF INHALED, remove person to fresh air. If breathing is difficult, get medical attention.

IF SWALLOWED, do NOT induce vomiting. Rinse mouth with water. Get medical attention. Contact a Poison Control Center. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIANS: Hot PCBs may cause thermal burn. If electrical equipment arcs between conductors, PCBs or other chlorinated hydrocarbon dielectric fluids may decompose to produce hydrochloric acid (HCl), a respiratory irritant. If large amounts are swallowed, gastric lavage may be considered.

5. FIRE FIGHTING MEASURES

Flash Point: 284 degrees F (140 degrees C) or higher depending on the chlorination level of the Aroclor product

Fire Point: 349 degrees F (176 degrees C) or higher depending on the chlorination level of the Aroclor product

NOTE: Refer to Section 9 for individual flash points and fire points.

Extinguishing Media: Extinguish fire using agent suitable for surrounding fire. Use dry chemical, foam, carbon dioxide or water spray. Water may be ineffective. Use water spray to keep fire-exposed containers or transformer cool.

PCBs are fire-resistant compounds. They may decompose to form CO, CO2, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surfaces.

Dielectric fluids having PCBs and chlorinated benzenes as components have been reported to produce polychlorinated dibenzo-p-dioxins (PCDDs) and furans (PCDFs) during fire situations involving electrical equipment. At temperatures in the range of 600-650 degrees C in the presence of excess oxygen, PCBs may form polychlorinated dibenzofurans (PCDFs). Laboratory studies under similar conditions have demonstrated that PCBs do not produce polychlorinated dibenzo-p-dioxins (PCDDs).

Federal regulations require all PCB transformers to be registered with fire response personnel.

If a PCB transformer is involved in a fire-related incident, the owner of the transformer may be required to report the incident. Consult and follow appropriate federal, state and local regulations.

Fire Fighting Equipment: Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and disposal of liquid PCBs and other PCB items are strictly regulated by the federal government. The regulations are found at 40 CFR Part 761. Consult these regulations as well as applicable state and local regulations prior to any cleanup or disposal of PCBs, PCB items, or PCB contaminated items.

If PCBs leak or are spilled, the following steps should be taken immediately:

All nonessential personnel should leave the leak or spill area.

The area should be adequately ventilated to prevent the accumulation of vapors.

The spill/leak should be contained. Loss to sewer systems, navigable waterways, and streams should be prevented. Spills/leaks should be removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials, or trapped and removed by pumping or other suitable means (traps, drip-pans, trays, etc.).

Personnel entering the spill or leak area should be furnished with appropriate personal protective equipment and clothing as needed. Refer to Section 8 for personal protection equipment and clothing.

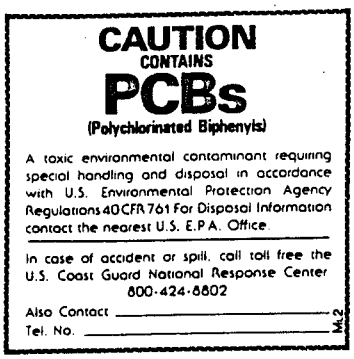
Personnel trained in emergency procedures and protected against attendant hazards should shut off sources of PCBs, clean up spills, control and repair leaks, and fight fires in PCB areas.

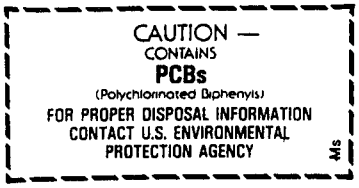
Refer to Section 13 for disposal information and Sections 14 and 15 for information regarding reportable quantity, and Section 7 for marking information.

7. HANDLING AND STORAGE

Care should be taken to prevent entry into the environment through spills, leakage, use vaporization, or disposal of liquid or containers. Avoid prolonged breathing of vapors or mists. Avoid contact with eyes or prolonged contact with skin. If skin contact occurs, remove by washing with soap and water. Following eye contact, flush with water. In case of spillage onto clothing, the clothing should be removed as soon as practical, skin washed, and clothing laundered. Comply with all federal, state, and local regulations.

Federal regulations under the Toxic Substances Control Act require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be marked (check regulations, 40 CFR 761, for details).





Storage: The storage of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB waste is strictly regulated by 40 CFR Part 761. The storage time is limited, the storage area must meet physical requirements, and the area must be labeled.

Avoid contact with eyes.
Wash thoroughly after handling.
Avoid breathing processing fumes or vapors.
Process using adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear chemical splash goggles and have eye baths available where there is significant potential for eye contact.

Skin Protection: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine the appropriate type glove for a given application. Wear chemical goggles, face shield, and chemical resistant clothing such as a rubber apron when splashing is likely. Wash immediately if skin is contacted. Remove contaminated clothing promptly and launder before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

ATTENTION! Repeated or prolonged skin contact may cause chloracne in some people.

Respiratory Protection: Avoid breathing vapor, mist, or dust. Use NIOSH/MSHA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended when airborne exposure limits are exceeded and, if used, replaces the need for face shield and/or chemical splash goggles. Consult respirator manufacturer to determine the type of equipment for a given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. High airborne concentrations may require use of self-contained breathing apparatus or supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR Part 1910.134.

ATTENTION! Repeated or prolonged inhalation may cause chloracne in some people.

Ventilation: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of vapor or mist, such as open process equipment.

Airborne Exposure Limits:

Product: Chlorodiphenyl (42% chlorine)

OSHA PEL: 1 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 1 mg/m^3 8-hour time-weighted average - Skin*

Product: Chlorodiphenyl (54% chlorine)

OSHA PEL: 0.5 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 0.5 mg/m^3 8-hour time-weighted average - Skin*

*For Skin notation see Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, American Conference of Government Industrial Hygienists, 1995-1996.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES OF SELECTED AROCLORS®							
PROPERTY	**1016**	**1221**	**1232**	**1242**	**1248**	**1254**	**1260**
Color (APHA)	40	100	100	100	100	100	150
Physical state	mobile oil	mobile oil	mobile oil	mobile oil	mobile oil	viscous liquid	sticky resin
Stability	inert	inert	inert	inert	inert	inert	inert
Density (lb/gal 25°C)	11.40	9.85	10.55	11.50	12.04	12.82	13.50
Specific gravity x/15.5°C	1.36-1.37 x-25°	1.18-1.19 x-25°	1.27-1.28 x-25°	1.30-1.39 x-25°	1.40-1.41 x-65°	1.49-1.50 x-65°	1.55-1.56 x-90°
Distillation range (°C)	323-356	275-320	290-325	325-366	340-375	365-390	385-420
Acidity mg KOH/g, maximum	.010	.014	.014	.015	.010	.010	.014
Fire point (°C)	none to boiling point	176	238	none to boiling point	none to boiling point	none to boiling point	none to boiling point
Flash point (°C)	170	141-150	152-154	176-180	193-196	none	none
Vapor pressure (mm Hg @ 100°F)	NA	NA	0.005	0.001	0.00037	0.00006	NA
Viscosity (Saybolt Univ. Sec. @ 100°F) (centistokes)	71-81 13-16	38-41 3.6-4.6	44-51 5.5-7.7	82-92 16-19	185-240 42-52	1800-2500 390-540	— —

NA—*Not Available*

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Stability: PCBs are very stable, fire-resistant compounds.
Materials to Avoid: None
Hazardous Decomposition
Products: PCBs may decompose to form CO, CO_2, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surface.
Hazardous Polymerization: Does not occur.

11. TOXICOLOGICAL INFORMATION

Data from laboratory studies conducted by Monsanto and from the available scientific literature are summarized below.
Single exposure (acute) studies indicate:
Oral - Slightly Toxic (Rat LD50 - 8.65 g/kg for 42% chlorinated; 11.9 g/kg for 54% chlorinated)

The liquid products and their vapors are moderately irritating to eye tissues. Animal experiments of varying duration and at different air concentrations show that for similar exposure conditions, the 54% chlorinated material produces more liver injury than the 42% chlorinated material.

There are literature reports that PCBs can impair reproductive functions in monkeys. The National Cancer Institute (NCI) performed a study in 1977 using Aroclor 1254 with both sexes of rats. NCI stated that the PCB, Aroclor 1254, was not carcinogenic under the conditions of their bioassay. There is sufficient evidence in the scientific literature to conclude that Aroclor 1260 can cause liver cancer when fed to rodents at high doses. Similar experiments with less chlorinated PCB products have produced negative or equivocal results.

The consistent finding in animal studies is that PCBs produce liver injury following prolonged and repeated exposure by any route, if the exposure is of sufficient degree and duration. Liver injury is produced first, and by exposures that are less than those reported to cause cancer in rodents. Therefore, exposure by all routes should be kept sufficiently low to prevent liver injury.

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed population, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Seventh Annual Report on Carcinogens.

12. ECOLOGICAL INFORMATION

Care should be taken to prevent entry of PCBs into the environment through spills, leakage, use, vaporization or disposal of liquid or solids. PCBs can accumulate in the environment and can adversely affect some animals and aquatic life. In general, PCBs have low solubility in water, are strongly bound to soils and sediments, and are slowly degraded by natural processes in the environment.

13. DISPOSAL CONSIDERATIONS

The disposal of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB wastes is strictly regulated by 40 CFR Part 761. For example, all wastes and residues containing PCBs (wiping cloths, absorbent material, used disposable protective gloves and clothing, etc.) should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations.

14. TRANSPORT INFORMATION

The data provided in this section are for information only. Please apply the appropriate regulations to properly classify a shipment for transportation.

DOT Classification:	IF WEIGHT OF PCBs TO BE SHIPPED IS OVER ONE POUND, THE FOLLOWING CLASSIFICATION AND LABEL APPLY.	
DOT Label:	LIQUID:	Environmentally Hazardous Substance, liquid, n.o.s. (Contains PCB), 9, UN 3082, III
	SOLID:	Environmentally Hazardous Substance, solid, n.o.s. (Contains PCB), 9, UN 3077, III
DOT Label:	Class: 9	
DOT Reportable Quantity:	One Pound	
IMO Classification:	Polychlorinated Biphenyls, IMO Class 9, UN 2315, II IMO Page 9034, EMS 6.1-02	
IATA/ICAO Classification:	Polychlorinated Biphenyls, 9, UN2315, II	

15. REGULATORY INFORMATION

For regulatory purposes, under the Toxic Substances Control Act, the term "PCBs" refers to a chemical substance limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contain such a substance (40 CFR Part 761).

TSCA Inventory: not listed.

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Immediate, Delayed.
SARA Section 313 Toxic Chemical(s): Listed-1993 (De Minimis concentration 0.1%.)

Reportable Quantity (RQ) under DOT (49 CFR) and CERCLA Regulations: 1 lb. (polychlorinated biphenyls) PCBs.

Release of more than 1 (one) pound of PCBs to the environment requires notification to the National Response Center (800-424-8802 or 202-426-2675).

Various state and local regulations may require immediate reporting of PCB spills and may also define spill cleanup levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill cleanup.

16. OTHER INFORMATION

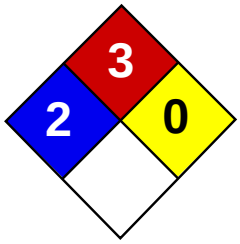
Reason for revision: Conversion to the 16 section format. Supersedes MSDS dated 10/88.

FOR ADDITIONAL NONEMERGENCY INFORMATION, CONTACT:

Gary W. Mappes
Manager, Product & Environmental Safety

Robert G. Kaley, II
Director, Environmental Affairs

Monsanto Company
800 North Lindbergh Boulevard
St. Louis, MO 63167
(314) 694-3344



Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Toluene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Toluene

Catalog Codes: SLT2857, SLT3277

CAS#: 108-88-3

RTECS: XS5250000

TSCA: TSCA 8(b) inventory: Toluene

CI#: Not available.

Synonym: Toluol, Tolu-Sol; Methylbenzene; Methacide; Phenylmethane; Methylbenzol

Chemical Name: Toluene

Chemical Formula: C6-H5-CH3 or C7-H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Toluene	108-88-3	100

Toxicological Data on Ingredients: Toluene: ORAL (LD50): Acute: 636 mg/kg [Rat]. DERMAL (LD50): Acute: 14100 mg/kg [Rabbit]. VAPOR (LC50): Acute: 49000 mg/m 4 hours [Rat]. 440 ppm 24 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, the nervous system, liver, brain, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: CLOSED CUP: 4.4444°C (40°F). (Setaflash) OPEN CUP: 16°C (60.8°F).

Flammable Limits: LOWER: 1.1% UPPER: 7.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards:
Toluene forms explosive reaction with 1,3-dichloro-5,5-dimethyl-2,4-imidazolididione; dinitrogen tetraoxide; concentrated nitric acid, sulfuric acid + nitric acid; N2O4; AgClO4; BrF3; Uranium hexafluoride; sulfur dichloride. Also forms an explosive mixture with tetranitromethane.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 200 STEL: 500 CEIL: 300 (ppm) from OSHA (PEL) [United States] TWA: 50 (ppm) from ACGIH (TLV) [United States] SKIN TWA: 100 STEL: 150 from NIOSH [United States] TWA: 375 STEL: 560 (mg/m3) from NIOSH [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweet, pungent, Benzene-like.

Taste: Not available.

Molecular Weight: 92.14 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 110.6°C (231.1°F)

Melting Point: -95°C (-139°F)

Critical Temperature: 318.6°C (605.5°F)

Specific Gravity: 0.8636 (Water = 1)

Vapor Pressure: 3.8 kPa (@ 25°C)

Vapor Density: 3.1 (Air = 1)

Volatility: Not available.

Odor Threshold: 1.6 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.7

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Soluble in diethyl ether, acetone. Practically insoluble in cold water. Soluble in ethanol, benzene, chloroform, glacial acetic acid, carbon disulfide. Solubility in water: 0.561 g/l @ 25 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks, static), incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong oxidizers, silver perchlorate, sodium difluoride, Tetranitromethane, Uranium Hexafluoride. Frozen Bromine Trifluoride reacts violently with Toluene at -80 deg. C. Reacts chemically with nitrogen oxides, or halogens to form nitrotoluene, nitrobenzene, and nitrophenol and halogenated products, respectively.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 636 mg/kg [Rat]. Acute dermal toxicity (LD50): 14100 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 440 24 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Rabbit] - Route: Inhalation; Dose: 55000 ppm/40min

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in human. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Causes mild to moderate skin irritation. It can be absorbed to some extent through the skin. Eyes: Cauess mild to moderate eye irritation with a burning sensation. Splash contact with eyes also causes conjunctivitis, blepharospasm, corneal edema, corneal abraisons. This usually resolves in 2 days. Inhalation: Inhalation of vapor may cause respiratory tract irritation causing coughing and wheezing, and nasal discharge. Inhalation of high concentrations may affect behavior and cause central nervous system effects characterized by nausea, headache, dizziness, tremors, restlessness, lightheadedness, exhilaration, memory loss, insomnia, impaired reaction time, drowsiness, ataxia, hallucinations, somnolence, muscle contraction or spasticity, unconsciousness and coma. Inhalation of high concentration of vapor may also affect the cardiovascular system (rapid heart beat, heart palpitations, increased or decreased blood pressure, dysrhythmia,), respiration (acute pulmonary edema, respiratory depression, apnea, asphyxia), cause vision disturbances and dilated pupils, and cause loss of appetite. Ingestion: Aspiration hazard. Aspiration of Toluene into the lungs may cause chemical pneumonitis. May cause irritation of the digestive tract with nausea, vomiting, pain. May have effects similar to that of acute inhalation. Chronic Potential Health Effects: Inhalation and Ingestion: Prolonged or repeated exposure via inhalation may cause central nervous system and cardiovascular symptoms similar to that of acute inhalation and ingestion as well liver damage/failure, kidney damage/failure (with hematuria, proteinuria, oliguria, renal tubular acidosis), brain damage, weight loss, blood (pigmented or nucleated red blood cells, changes in white blood cell count), bone marrow changes, electrolyte imbalances (Hypokalemia, Hypophostatemia), severe, muscle weakness and Rhabdomyolysis. Skin: Repeated or prolonged skin contact may cause defatting dermatitis.

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 313 mg/l 48 hours [Daphnia (daphnia)]. 17 mg/l 24 hours [Fish (Blue Gill)]. 13 mg/l 96 hours [Fish (Blue Gill)]. 56 mg/l 24 hours [Fish (Fathead minnow)]. 34 mg/l 96 hours [Fish (Fathead minnow)]. 56.8 ppm any hours [Fish (Goldfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Toluene UNNA: 1294 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Toluene California prop. 65 (no significant risk level): Toluene: 7 mg/day (value) California prop. 65 (acceptable daily intake level): Toluene: 7 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluene Connecticut hazardous material survey.: Toluene Illinois

toxic substances disclosure to employee act: Toluene Illinois chemical safety act: Toluene New York release reporting list: Toluene Rhode Island RTK hazardous substances: Toluene Pennsylvania RTK: Toluene Florida: Toluene Minnesota: Toluene Michigan critical material: Toluene Massachusetts RTK: Toluene Massachusetts spill list: Toluene New Jersey: Toluene New Jersey spill list: Toluene Louisiana spill reporting: Toluene California Director's List of Hazardous Substances.: Toluene TSCA 8(b) inventory: Toluene TSCA 8(d) H and S data reporting: Toluene: Effective date: 10/04/82; Sunset Date: 10/0/92 SARA 313 toxic chemical notification and release reporting: Toluene CERCLA: Hazardous substances.: Toluene: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S29- Do not empty into drains. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

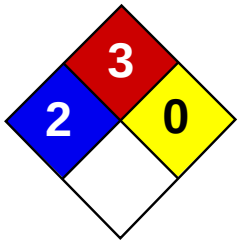
Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:30 PM

Last Updated: 06/09/2012 12:00 PM



Material Safety Data Sheet
Xylenes MSDS

Section 1: Chemical Product and Company Identification

Product Name: Xylenes

Catalog Codes: SLX1075, SLX1129, SLX1042, SLX1096

CAS#: 1330-20-7

RTECS: ZE2100000

TSCA: TSCA 8(b) inventory: Xylenes

CI#: Not available.

Synonym: Xylenes; Dimethylbenzene; xylol; methyltoluene

Chemical Name: Xylenes (o-, m-, p- isomers)

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Xylenes	1330-20-7	100

Toxicological Data on Ingredients: Xylenes: ORAL (LD50): Acute: 4300 mg/kg [Rat]. 2119 mg/kg [Mouse]. DERMAL (LD50): Acute: >1700 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 464°C (867.2°F)

Flash Points: CLOSED CUP: 24°C (75.2°F). (Tagliabue.) OPEN CUP: 37.8°C (100°F).

Flammable Limits: LOWER: 1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Vapors may travel to source of ignition and flash back.

Special Remarks on Explosion Hazards:
Vapors may form explosive mixtures with air. Containers may explode when heated. May polymerize explosively when heated. An attempt to chlorinate xylene with 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin) caused a violent explosion

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined

areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 (ppm) [Canada] TWA: 435 (mg/m3) [Canada] TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States] TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless. Clear

pH (1% soln/water): Not available.

Boiling Point: 138.5°C (281.3°F)

Melting Point: -47.4°C (-53.3°F)

Critical Temperature: Not available.

Specific Gravity: 0.864 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 1 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water. Miscible with absolute alcohol, ether, and many other organic liquids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Store away from acetic acid, nitric acid, chlorine, bromine, and fluorine.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2119 mg/kg [Mouse]. Acute dermal toxicity (LD50): >1700 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5000 4 hours [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:
Lowest Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Man] - Route: Oral; Dose: 10000 ppm/6H

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and femael fertility (spontaneous abortion and fetotoxicity)) and birth defects based animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. Can be absorbed through skin. Eyes: Causes eye irritation. Inhalation: Vapor causes respiratory tract and mucous membrane irritation. May affect central nervous system and behavior (General anesthetic/CNS depressant with effects including headache, weakness, memory loss, irritability, dizziness, giddiness, loss of coordination and judgement, respiratory depression/arrest or difficulty breathing, loss of appetite, nausea, vomiting, shivering, and possible coma and death). May also affects blood, sense organs, liver, and peripheral nerves. Ingestion: May cause gastrointestinal irritation including abdominal pain, vomiting, and nausea. May also affect liver and urinary system/ kidneys. May cause effects similar to those of acute inhalation. Chronic Potential Health Effects: Chronic inhalation may affect the urinary system (kidneys) blood (anemia), bone marrow (hyperplasia of bone marrow) brain/behavior/Central Nervous system. Chronic inhalation may alsocause mucosal bleeding. Chronic ingestion may affect the liver and metabolism (loss of appetite) and may affect urinary system (kidney damage)

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Xylenes UNNA: 1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Xylenes Illinois chemical safety act: Xylenes New York acutely hazardous substances: Xylenes Rhode Island RTK hazardous substances: Xylenes Pennsylvania RTK: Xylenes Minnesota: Xylenes Michigan critical material: Xylenes Massachusetts RTK: Xylenes Massachusetts spill list: Xylenes New Jersey: Xylenes New Jersey spill list: Xylenes Louisiana spill reporting: Xylenes California Director's List of Hazardous Substances: Xylenes TSCA 8(b) inventory: Xylenes SARA 302/304/311/312 hazardous chemicals: Xylenes SARA 313 toxic chemical notification and release reporting: Xylenes CERCLA: Hazardous substances.: Xylenes: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R10- Flammable. R21- Harmful in contact with skin. R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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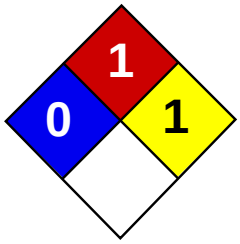


Health	1
Fire	1
Reactivity	1
Personal Protection	E

Material Safety Data Sheet
Zinc Metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Zinc Metal

Catalog Codes: SLZ1054, SLZ1159, SLZ1267, SLZ1099, SLZ1204

CAS#: 7440-66-6

RTECS: ZG8600000

TSCA: TSCA 8(b) inventory: Zinc Metal

CI#: Not applicable.

Synonym: Zinc Metal Sheets; Zinc Metal Shot; Zinc Metal Strips

Chemical Name: Zinc Metal

Chemical Formula: Zn

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Zinc Metal	7440-66-6	100

Toxicological Data on Ingredients: Zinc Metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials, of acids, of alkalis, of moisture. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Zinc + NaOH causes ignition. Oxidation of zinc by potassium proceeds with incandescence. Residues from zinc dust /acetic acid reduction operations may ignite after long delay if discarded into waste bins with paper. Incandescent reaction when Zinc and Arsenic or Tellurium, or Selenium are combined. When hydrazine mononitrate is heated in contact with zinc, a flamming decomposition occurs at temperatures a little above its melting point. Contact with acids and alkali hydroxides (sodium hydroxide, postasium hydroxide, calcium hydroxide, etc.) results in evolution of hydrogen with sufficient heat of reaction to ignite the hydrogen gas. Zinc foil ignites if traces of moisture are present. It is water reactive and produces flammable gases on contact with water. It may ignite on contact with water or moist air.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Flammable solid that, in contact with water, emits flammable gases. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid. Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 65.39 g/mole

Color: Bluish-grey

pH (1% soln/water): Not applicable.

Boiling Point: 907°C (1664.6°F)

Melting Point: 419°C (786.2°F)

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials, moisture

Incompatibility with various substances:
Reactive with oxidizing agents, acids, alkalis. Slightly reactive to reactive with moisture. The product may react violently with water to emit flammable but non toxic gases.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with acids, halogenated hydrocarbons, NH_4NO_3, barium oxide, $Ba(NO_3)_2$, Cadmium, CS_2, chlorates, Cl_2, CrO_3, F_2, Hydroxylamine, $Pb(N_3)_2$, $MnCl_2$, HNO_3, performic acid, $KClO_3$, KNO_3, N_2O_2, Selenium, $NaClO_3$, Na_2O_2, Sulfur, Te, water, $(NH_4)_2S$, As_2O_3, CS_2, $CaCl_2$, chlorinated rubber, catalytic metals, halocarbons, o-nitroanisole, nitrobenzene, nonmetals, oxidants, paint primer base, pentacarbonoyliron, transition metal halides, seleninyl bromide, HCl, H_2SO_4, (Mg +$Ba(NO_3)_2$ +BaO_2), (ethyl acetoacetate +tribromoneopentyl alcohol. Contact with Alkali Hydroxides(Sodium Hydroxide, Potassium Hydroxide, Calcium Hydroxide, etc) results in evolution of hydrogen. Ammonium nitrate + zinc + water causes a violent reaction with evolution of steam and zinc oxide. May react with water.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. Dermal exposure to zinc may produce leg pains, fatigue, anorexia and weight loss. Eyes: May cause eye irritation. Ingestion: May be harmul if swallowed. May cause digestive tract irritation with tightness in throat, nausea, vomiting, diarrhea, loss of appetite, malaise, abdominal pain. fever, and chills. May affect behavior/central nervous system and autonomic nervous system with ataxia, lethargy, staggering gait, mild derrangement in cerebellar function, lightheadness, dizzness, irritability, muscular stiffness, and pain. May also affect blood. Inhalation: Inhalation of zinc dust or fumes may cause respiratory tract and mucous membrane irritation with cough and chest pain. It can also cause "metal fume fever", a flu-like condition characterized appearance of chills, headached fever, maliase, fatigue, sweating, extreme thirst, aches in the legs and chest, and difficulty in breathing. A sweet taste may also be be present in metal fume fever, as well as a dry throat, aches, nausea, and vomiting, and pale grey cyanosis. The toxicological properties of this substance have not been fully investisgated.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
New York release reporting list: Zinc Metal Rhode Island RTK hazardous substances: Zinc Metal Pennsylvania RTK: Zinc Metal Florida: Zinc Metal Michigan critical material: Zinc Metal Massachusetts RTK: Zinc Metal New Jersey: Zinc Metal California Director's List of Hazardous Substances: Zinc Metal TSCA 8(b) inventory: Zinc Metal TSCA 12(b) one time export: Zinc Metal SARA 313 toxic chemical notification and release reporting: Zinc Metal CERCLA: Hazardous substances.: Zinc Metal: 1000 lbs. (453.6 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not Available

DSCL (EEC):
R15- Contact with water liberates extremely flammable gases. R17- Spontaneously flammable in air. S7/8- Keep container tightly closed and dry.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 12:18 AM

Last Updated: 06/09/2012 12:00 PM

Material Safety Data Sheet

Version 4.2
Revision Date 11/21/2012
Print Date 02/04/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	1,2,4-Trimethylbenzene
Product Number	:	T73601
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Combustible Liquid

Target Organs

Central nervous system

GHS Classification
Flammable liquids (Category 3)
Acute toxicity, Inhalation (Category 4)
Acute toxicity, Oral (Category 5)
Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3)
Acute aquatic toxicity (Category 2)

GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H401	Toxic to aquatic life.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

HMIS Classification

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	2
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	2
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C9H12
Molecular Weight : 120.19 g/mol

Component		Concentration
1,2,4-Trimethylbenzene		
CAS-No.	95-63-6	-
EC-No.	202-436-9	
Index-No.	601-043-00-3	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
1,2,4-Trimethylbenzene	95-63-6	TWA	25 ppm 125 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	25 ppm 123 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		TWA	25 ppm 125 mg/m3	USA. NIOSH Recommended Exposure Limits
Remarks	hemimellitene is a mixture of the 1,2,3-isomer with up to 10% of related aromatics such as the 1,2,4-isomer.			

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Fluorinated rubber
Minimum layer thickness: 0.7 mm
Break through time: > 480 min
Material tested:Vitoject® (Aldrich Z677698, Size M)

Splash protection
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: > 30 min

Material tested:Camatril® (Aldrich Z677442, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid, clear
Colour	light blue colourless

Safety data

pH	no data available
Melting point/freezing point	-43.7 °C (-46.7 °F)
Boiling point	168.0 - 169.0 °C (334.4 - 336.2 °F)
Flash point	48.0 °C (118.4 °F) - closed cup
Ignition temperature	515 °C (959 °F)
Autoignition temperature	515.0 °C (959.0 °F)
Lower explosion limit	0.9 %(V)
Upper explosion limit	6.4 %(V)
Vapour pressure	2.3 hPa (1.7 mmHg) at 20.0 °C (68.0 °F) 6.0 hPa (4.5 mmHg) at 37.7 °C (99.9 °F) 9.3 hPa (7.0 mmHg) at 44.4 °C (111.9 °F)
Density	0.88 g/cm3
Water solubility	insoluble
Partition coefficient: n-octanol/water	no data available
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
Heat, flames and sparks.

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - rat - 5,000 mg/kg

Inhalation LC50
LC50 Inhalation - rat - 4 h - 18,000 mg/m3

Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

Genotoxicity in vitro - in vitro assay - S. typhimurium - with or without metabolic activation - negative

Genotoxicity in vivo - rat - male and female - Intraperitoneal - negative

Carcinogenicity

no data available

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
prolonged or repeated exposure can cause:, narcosis, Bronchitis., Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: DC3325000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 7.72 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 3.6 mg/l - 48 h

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3295 Class: 3 Packing group: III
Proper shipping name: Hydrocarbons, liquid, n.o.s.

Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 3295 Class: 3 Packing group: III EMS-No: F-E, S-D
Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
Marine pollutant: No

IATA
UN number: 3295 Class: 3 Packing group: III
Proper shipping name: Hydrocarbons, liquid, n.o.s.

15. REGULATORY INFORMATION

OSHA Hazards
Combustible Liquid

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

SARA 311/312 Hazards
Fire Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET
1,3,5-TRIMETHYLBENZENE

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name 1,3,5-TRIMETHYLBENZENE

Part No. 65-113231

Applications @@@Laboratoriekemikalie@@@

Supplier

Fisher Scientific AB
gtf.info@thermofisher.com
Södra Långebergsgatan 30
SE-421 32 Västra Frölunda
Tel: 031-689400
Fax: 031-680717

EU index No. 601-025-00-5

EC No. 203-604-4

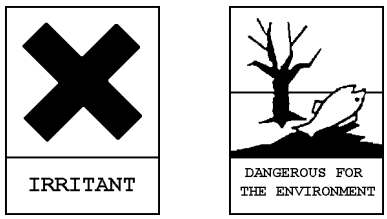
Gross formula C9-H12

CAS No. 108-67-8

2. HAZARDS IDENTIFICATION

EYE CONTACT: can irritate the eyes. SKIN CONTACT: may give irritations to the skin. INGESTION: can give nausea, vomiting and diaorrea. If the substance has reached the lungs it can give pneumonia and oedemas. INHALATION: can in high concentrations give nausea, headache, dizziness, unconsciousness and coma. Causes cyanosis. Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Symbol(s)



Risk phrases R-37 Irritating to respiratory system.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

CLP

Hazard pictograms

Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P273 Avoid release to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	EC No.	CAS No.	Content	Symbol	Classification
1,3,5-TRIMETHYLBENZENE	203-604-4	108-67-8	98 %	Xi ,N	R-37, R-51/53

CLP

Name	CAS No.	REACH No.	Content	Symbol	Classification
1,3,5-TRIMETHYLBENZENE	108-67-8		98 %	GHS02, GHS09, GHS07	

Section 16 contains detailed classification phrases.

4. FIRST AID MEASURES

General Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. When unconscious, loosen tight clothing and position in secured recovery position. Secure open airways by bending head backwards, cleaning the mouth and removing false teeth.

Inhalation Move the exposed person to fresh air at once.

Ingestion Rinse nose, mouth and throat with water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Give 5 tablespoons active carbon stirred in as little water as possible. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn´t enter the lungs. Contact physician.

Skin Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Contact physician if irritation continues.

Eyes Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. To hospital or eye specialist.

5. FIRE-FIGHTING MEASURES

Extinguishing media Fire can be extinguished using: Water. Carbon dioxide (CO2). Foam.

Special fire fighting procedures Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards Vapours are heavier than air and may spread near ground to sources of ignition. Solvent vapours may form explosive mixtures with air.

Hazardous combustion products Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO2).

Protective measures in fire Firefighters exposed to combustion gases/decomposition products should use a respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Spill cleanup methods Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Limit spread of spilled material. Runoff or release to sewer, waterway or ground is forbidden. Absorb in vulcanic ash/dirt, sand/dry dirt, kieselguhr, mineral

wool mats or other appropriate material. Collect in closed container. Absorb small quantities with paper towels and evaporate in safe place (fume hood). Allow sufficient time for vapours to completely clear the hood ducts, then burn the paper in a location away from combustible materials. Wear necessary protective equipment. Collect and reclaim or dispose in sealed containers in licensed waste. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE

Usage precautions
Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

Storage precautions
Flammable/combustible - Keep away from oxidisers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Store in accordance with local regulations.

Storage criteria
Chemical storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective equipment


Process conditions
Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Ventilation
Provide adequate general and local exhaust ventilation.

Respirators
If ventilation is insufficient, suitable respiratory protection must be provided. Gas cartridge (organic substances). At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

Protective gloves
Use protective gloves made of: Polyvinyl alcohol (PVA).

Eye protection
Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygienic work practices
Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid.		
Colour	Colourless.		
Odour	Aromatic.		
Solubility description	Slightly soluble in water. Soluble in: Alcohol. Benzene. Ether.		
Molecular weight	120.21		
Boiling point (°C, interval)	163 - 165	**Pressure**	760mmHg
Melting/freezing point (°C, interval)	-45		
Density (g/cm3)	0.87	**Temperature (°C)**	20
Vapour density (air=1)	1.006		
Vapour pressure	3 mbar	**Temperature (°C)**	20

Viscosity (interval)	0.95 mPas	**Temperature (°C)**	20
Flash point (°C)	48	**Method**	Not noted.
Auto ignition temp. (°C)	560		
Flammability limit (%)	1 - 6		

10. STABILITY AND REACTIVITY

Stability	Normally stable. Avoid: Heat, sparks, flames.
Conditions to avoid	Avoid contact with strong oxidisers.
Hazardous decomp. products	Fire or high temperatures create: Irritating gases/vapours/fumes.

11. TOXICOLOGICAL INFORMATION

Toxic dose - LD 50:	8970 mg/kg (oral rat)
Health warnings	GENERAL HEALTH HAZARDS. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. INHALATION. Solvent vapours are hazardous and may cause nausea, sickness and headaches. SKIN CONTACT. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. EYE CONTACT. Irritant of eyes and mucous membranes. Splashing or high vapour concentrations can damage the eyes. INGESTION. Attacks the mucous membranes. May cause stomach pain or vomiting.
Route of entry	Inhalation. Ingestion.
Target organs	Central nervous system. Respiratory system, lungs. Mucous membranes.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Dangerous for the environment if discharged into watercourses.
Persistence and degradability	The chemical is slowly, not readily biodegradable.
Acute fish toxicity	Can cause acute death of fish and aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal methods	Do not allow runoff to sewer, waterway or ground. Confirm disposal procedures with environmental engineer and local regulations.

14. TRANSPORT INFORMATION

Label for conveyance

Proper shipping name (international)	1,3,5 TRIMETHYLBENZENE
ROAD TRANSPORT (ADR):	
UN no. road	2325
ADR class no.	3
ADR class	Class 3: Flammable liquids.
Classification code	F1
ADR packing group	III, (D/E), LQ7, TK3
Hazard no. (ADR)	30 Flammable liquid (flash point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash point above 60°C, heated to a temperature equal to or above its flash point, or self heating liquid.
RAIL TRANSPORT (RID):	
RID class no.	3
SEA TRANSPORT (IMDG):	
UN no. sea	2325
IMDG class	3.3
IMDG packing group	III
EmS no.	3-03
AIR TRANSPORT (IATA-DGR / ICAO-TI):	
UN no., air	2325
IATA/ICAO class	3
IATA/ICAO packing group	III

15. REGULATORY INFORMATION

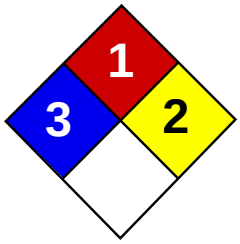
EC no.	203-604-4
Other information	EC label

16. OTHER INFORMATION

Explanations to R-phrases in section 3	R-37 Irritating to respiratory system. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*** Information revised since the previous version of the SDS**

Information sources	Dangerous Properties of Industrial Chemicals, 6th edition, N.Sax, 1984. OSHA Air Contaminants - Permissible Exposure Limits (Title 29). Handbook of Toxic and Hazardous Chemicals and Carcinogens, Sittig, 1985. Hazardous Materials, Emergency Response Guidebook, DOT-P 5800.3, 1984. Threshold Limit Values and Biological Exposure Indices for 1985-86.
Revision date	2011-03-28



Material Safety Data Sheet
Arsenic MSDS

Section 1: Chemical Product and Company Identification

Product Name: Arsenic

Catalog Codes: SLA1006

CAS#: 7440-38-2

RTECS: CG0525000

TSCA: TSCA 8(b) inventory: Arsenic

CI#: Not applicable.

Synonym:

Chemical Name: Arsenic

Chemical Formula: As

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Arsenic	7440-38-2	100

Toxicological Data on Ingredients: Arsenic: ORAL (LD50): Acute: 763 mg/kg [Rat]. 145 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits highly toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 from ACGIH (TLV) [United States] [1995] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 74.92 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Sublimation temperature: 615°C (1139°F)

Critical Temperature: Not available.

Specific Gravity: 5.72 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 145 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. Causes damage to the following organs: kidneys, lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Arsenic UNNA: UN1558 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Arsenic California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Arsenic Pennsylvania RTK: Arsenic Massachusetts RTK: Arsenic TSCA 8(b) inventory: Arsenic

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R22- Harmful if swallowed. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

Barium Metal

MSDS # 84.00

Section 1: Product and Company Identification

Barium Metal

Synonyms/General Names: Barium
Product Use: For educational use only
Manufacturer: Columbus Chemical Industries, Inc., Columbus, WI 53925.

24 Hour Emergency Information Telephone Numbers

CHEMTREC (USA): 800-424-9300 **CANUTEC (Canada): 613-424-6666**

ScholAR Chemistry; 5100 W. Henrietta Rd, Rochester, NY 14586; (866) 260-0501; www.Scholarchemistry.com

Section 2: Hazards Identification

Soft, silvery, lustrous metal immersed in heavy mineral oil; no odor.

HMIS (0 to 4)

Health	**3**
Fire Hazard	**3**
Reactivity	**2**

WARNING! Flammable solid, dangerous when wet, highly toxic by ingestion.
Flammable solid, keep away from all ignition sources. Contact with water produces flammable gas.
Target organs: Central nervous system, kidneys.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 3: Composition / Information on Ingredients

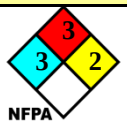
Barium Metal (7440-39-3), 100%

Section 4: First Aid Measures

Always seek professional medical attention after first aid measures are provided.

Eyes: Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.
Skin: Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.
Ingestion: Call Poison Control immediately. Rinse mouth with cold water. Give victim 1-2 tbsp of activated charcoal mixed with 8 oz water.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Section 5: Fire Fighting Measures



Flammable solid. When heated to decomposition, emits acrid fumes and explosive hydrogen gas.
Protective equipment and precautions for firefighters: Do Not Use carbon dioxide, foam, water or halogenated extinguishing agents. Use class D extinguisher or smother with dry sand, dry clay, dry ground limestone or dry graphite. Firefighters should wear full fire fighting turn-out gear and respiratory protection (SCBA). Material is not sensitive to mechanical impact or static discharge.

Section 6: Accidental Release Measures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all ignition sources and ventilate area. Sweep up spill and place material in a dry container for disposal. See Section 13 for disposal information.

Section 7: Handling and Storage Red

Handling: Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling.
Storage: Store in Flammable Area [Red Storage] with other flammable materials and away from any strong oxidizers. Store in a dedicated flammables cabinet. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

Section 8: Exposure Controls / Personal Protection

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking. Use NIOSH-approved respirator with a dust cartridge. Exposure guidelines: Barium compounds: OSHA PEL: 0.5 mg/m^3 and ACGIH TLV: 0.5 mg/m^3, STEL: N/A.

Section 9: Physical and Chemical Properties

Molecular formula	Ba.	**Appearance**	Silver metal in heavy mineral oil.
Molecular weight	137.33.	**Odor**	No odor.
Specific Gravity	3.62 g/mL @ 20°C..	**Odor Threshold**	N/A.
Vapor Density (air=1)	N/A.	**Solubility**	Reacts violently with water.
Melting Point	850°C.	**Evaporation rate**	N/A *(Butyl acetate = 1).*
Boiling Point/Range	1695°C.	**Partition Coefficient**	N/A *(log P_{OW}).*
Vapor Pressure (20°C)	N/A.	**pH**	N/A.
Flash Point:	N/A.	**UEL**	N/A.
Autoignition Temp.:	N/A.	**LEL**	N/A.

N/A = Not available or applicable

Section 10: Stability and Reactivity

Avoid heat and ignition sources
Stability: Stable under normal conditions of use.
Incompatibility: Water, acids, chlorine, iodine, bromine and oxidizing agents.
Shelf life: Indefinite if stored properly.

Section 11: Toxicology Information

Acute Symptoms/Signs of exposure: ***Eyes***: Stinging pain, burns, watering of eyes, inflammation of eyelids and conjunctivitis. Avoid looking at burning magnesium. ***Skin***: Irritation, redness, burns. Powdered metal ignites readily on skin causing burns. ***Ingestion***: Nausea, vomiting and headache. ***Inhalation***: Rapid irregular breathing, headache, burns to mucous membranes. Inhalation of dust or fumes causes metal fume fever.
Chronic Effects: Repeated/prolonged skin contact may cause dryness or rashes.
Sensitization: none expected
Barium: LD50 [oral, rat]; Not Available; LC50 [rat]; Not Available; LD50 Dermal [rabbit]; Not Available
Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects.

Section 12: Ecological Information

Ecotoxicity (aquatic and terrestrial): LC50 – 500mg/l – 96h – Cyprinodon variegates.

Section 13: Disposal Considerations

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Use a licensed chemical waste disposal firm for proper disposal.

Section 14: Transport Information

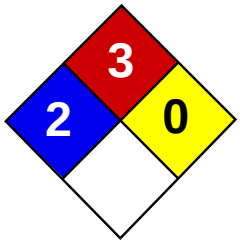
DOT Shipping Name:	Barium.	**Canada TDG:**	Barium .
DOT Hazard Class:	4.3, pg II.	**Hazard Class:**	4.3, pg II.
Identification Number:	UN1400.	**UN Number:**	UN1400.

Section 15: Regulatory Information

EINECS: Listed (231-149.1) .
WHMIS Canada: B6:D2B: Reactive Flammable: Toxic Material.
TSCA: All components are listed or are exempt.
California Proposition 65: Not listed.
The product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: Other Information

Current Issue Date: December 19, 2011
Disclaimer: Scholar Chemistry and Columbus Chemical Industries, Inc., ("S&C") believes that the information herein is factual but is not intended to be all inclusive. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because S&C has no continuing control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law. ***S&C makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.***



Material Safety Data Sheet
Benzene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Benzene

Catalog Codes: SLB1564, SLB3055, SLB2881

CAS#: 71-43-2

RTECS: CY1400000

TSCA: TSCA 8(b) inventory: Benzene

CI#: Not available.

Synonym: Benzol; Benzine

Chemical Name: Benzene

Chemical Formula: C6-H6

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Benzene	71-43-2	100

Toxicological Data on Ingredients: Benzene: ORAL (LD50): Acute: 930 mg/kg [Rat]. 4700 mg/kg [Mouse]. DERMAL (LD50): Acute: >9400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 10000 ppm 7 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant), of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. The substance is toxic to blood, bone marrow, central nervous system (CNS). The substance may be toxic to liver, Urinary System. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 497.78°C (928°F)

Flash Points: CLOSED CUP: -11.1°C (12°F). (Setaflash)

Flammable Limits: LOWER: 1.2% UPPER: 7.8%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Slightly flammable to flammable in presence of oxidizing materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Extremely flammable liquid and vapor. Vapor may cause flash fire. Reacts on contact with iodine heptafluoride gas. Dioxygenyl tetrafluoroborate is as very powferful oxidant. The addition of a small particle to small samples of benzene, at ambient temperature, causes ignition. Contact with sodium peroxide with benzene causes ignition. Benzene ignites in contact with powdered chromic anhydride. Virgorous or incandescent reaction with hydrogen + Raney nickel (above 210 C) and bromine trifluoride.

Special Remarks on Explosion Hazards:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction

of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.5 STEL: 2.5 (ppm) from ACGIH (TLV) [United States] TWA: 1.6 STEL: 8 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.1 STEL: 1 from NIOSH TWA: 1 STEL: 5 (ppm) from OSHA (PEL) [United States] TWA: 10 (ppm) from OSHA (PEL) [United States] TWA: 3 (ppm) [United Kingdom (UK)] TWA: 1.6 (mg/m3) [United Kingdom (UK)] TWA: 1 (ppm) [Canada] TWA: 3.2 (mg/m3) [Canada] TWA: 0.5 (ppm) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor:
Aromatic. Gasoline-like, rather pleasant. (Strong.)

Taste: Not available.

Molecular Weight: 78.11 g/mole

Color: Clear Colorless. Colorless to light yellow.

pH (1% soln/water): Not available.

Boiling Point: 80.1 (176.2°F)

Melting Point: 5.5°C (41.9°F)

Critical Temperature: 288.9°C (552°F)

Specific Gravity: 0.8787 @ 15 C (Water = 1)

Vapor Pressure: 10 kPa (@ 20°C)

Vapor Density: 2.8 (Air = 1)

Volatility: Not available.

Odor Threshold: 4.68 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Miscible in alcohol, chloroform, carbon disulfide oils, carbon tetrachloride, glacial acetic acid, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles.

Incompatibility with various substances: Highly reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 930 mg/kg [Rat]. Acute dermal toxicity (LD50): >9400 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 10000 7 hours [Rat].

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. Causes damage to the following organs: blood, bone marrow, central nervous system (CNS). May cause damage to the following organs: liver, Urinary System.

Other Toxic Effects on Humans:
Very hazardous in case of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (female fertility, Embryotoxic and/or foetotoxic in animal) and birth defects. May affect genetic material (mutagenic). May cause cancer (tumorigenic, leukemia)) Human: passes the placental barrier, detected in maternal milk.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. It can be absorbed through intact skin and affect the liver, blood, metabolism,and urinary system. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation. Can be absorbed through the lungs. May affect behavior/Central and Peripheral nervous systems (somnolence, muscle weakness, general anesthetic, and other symptoms similar to ingestion), gastrointestinal tract (nausea), blood metabolism, urinary system. Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation including vomiting. May affect behavior/Central and Peripheral nervous systems (convulsions, seizures, tremor, irritability, initial CNS stimulation followed by depression, loss of coordination, dizziness, headache, weakness, pallor, flushing), respiration (breathlessness and chest constriction), cardiovascular system, (shallow/rapid pulse), and blood.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Benzene UNNA: 1114 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Benzene California prop. 65 (no significant risk level): Benzene: 0.007 mg/day (value) California prop. 65: This product contains the following ingredients

for which the State of California has found to cause cancer which would require a warning under the statute: Benzene Connecticut carcinogen reporting list.: Benzene Connecticut hazardous material survey.: Benzene Illinois toxic substances disclosure to employee act: Benzene Illinois chemical safety act: Benzene New York release reporting list: Benzene Rhode Island RTK hazardous substances: Benzene Pennsylvania RTK: Benzene Minnesota: Benzene Michigan critical material: Benzene Massachusetts RTK: Benzene Massachusetts spill list: Benzene New Jersey: Benzene New Jersey spill list: Benzene Louisiana spill reporting: Benzene California Director's list of Hazardous Substances: Benzene TSCA 8(b) inventory: Benzene SARA 313 toxic chemical notification and release reporting: Benzene CERCLA: Hazardous substances.: Benzene: 10 lbs. (4.536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R22- Harmful if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer. R62- Possible risk of impaired fertility. S2- Keep out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S46- If swallowed, seek medical advice immediately and show this container or label. S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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SAFETY DATA SHEET

Based on Directive 2001/58/EC et seq. of the Commission of the European Communities

BENZ[a]ANTHRACENE

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Synonyms: benzo(a)anthracene

CAS No.	: 56-55-3	**BCR number**	: BCR-271
EC index No.	: 601-033-00-9	**NFPA code**	: N.D.
EINECS No.	: 200-280-6	**Molecular weight**	: 228.30
RTECS No.	: CV9275000	**Formula**	: C18H12

1.2 Use of the substance or the preparation:
Certified reference material for laboratory use only

1.3 Company/undertaking identification:
Institute for Reference Materials and Measurements
Retieseweg
B-2440 Geel
Tel. : +32 14 57 12 11
Fax : +32 14 58 42 73

1.4 Telephone number for emergency:
+32 70 245 245
Antigifcentrum
p/a Militair Hospitaal Koningin Astrid, Bruynstraat, B-1120 Brussel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
Benzo[a]anthracene	56-55-3 200-280-6	100	T;N	45-50/53 (1)

(1) For R-phrases in full: see heading 16

3. Hazards identification

- May cause cancer
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. First aid measures

4.1 Eye contact:
- Consult a doctor/medical service if irritation persists
- Rinse immediately with water

4.2 Skin contact:
- Consult a doctor/medical service if irritation persists
- Wash with water and soap
- Remove clothing before washing

4.3 After inhalation:
- Consult a doctor/medical service if breathing problems develop
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration

4.4 After ingestion:
- Consult a doctor/medical service if you feel unwell
- Immediately give lots of water to drink
- Never give water to an unconscious person

5. Fire-fighting measures

5.1 Suitable extinguishing media:
- Water spray
- Alcohol foam
- Polymer foam
- ABC powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:
- Solid water jet ineffective as extinguishing medium

5.3 Special exposure hazards:
- Not easily combustible
- Upon combustion CO and CO2 are formed

5.4 Instructions:
- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

5.5 Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus
- Dust cloud production: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal protection/precautions: see heading 8.1/8.3/10.3

6.2 Environmental precautions:
- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Dam up the solid spill

6.3 Methods for cleaning up:
- Stop dust cloud by covering with sand/earth
- Carefully collect the spill/leftovers
- Scoop solid spill into closing containers
- Take collected spill to manufacturer/competent authority
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:
- Observe strict hygiene
- Avoid prolonged and repeated contact with skin
- Avoid raising dust
- Do not discharge the waste into the drain
- Remove contaminated clothing immediately

7.2 Storage:
- Keep container tightly closed. Store in a cool area. Store in a dry area.
- Store in a dark area.
- Keep away from: heat sources, ignition sources, oxidizing agents, acids

Storage temperature : N.D. **°C**
Quantity limits : N.D. **kg**
Storage life : N.D.
Materials for packaging :
- suitable : no data available
- to avoid : no data available

7.3 Specific uses:
See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

TLV-TWA	**:**	**mg/m³**	**-**	**ppm**
TLV-STEL	**:**	**mg/m³**	**-**	**ppm**
TLV-Ceiling	**:**	**mg/m³**		**ppm**
OES-LTEL	**:**	**mg/m³**		**ppm**
OES-STEL	**:**	**mg/m³**		**ppm**
MAK	**:**	**mg/m³**		**ppm**
TRK	**:**	**mg/m³**		**ppm**
MAC-TGG 8 h	**:**	**mg/m³**		
MAC-TGG 15 min.	**:**	**mg/m³**		
MAC-Ceiling	**:**	**mg/m³**		
VME-8 h	**:**	**mg/m³**		**ppm**
VLE-15 min.	**:**	**mg/m³**		**ppm**
GWBB-8 h	**:**	**mg/m³**		**ppm**
GWK-15 min.	**:**	**mg/m³**		**ppm**
Momentary value	**:**	**mg/m³**		**ppm**
EC	**:**	**mg/m³**		**ppm**
EC-STEL	**:**	**mg/m³**		**ppm**

Sampling methods:

- Benz(a)Anthracene (Polynuclear aromatic hydrocarbons)	NIOSH 5506
- Benz(a)Anthracene (Polynuclear aromatic hydrocarbons)	NIOSH 5515
- Benz(a)Anthracene	OSHA CSI

8.2 Exposure controls:

8.2.1 Occupational exposure controls:
- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 respiratory protection:
- Dust production: dust mask with filter type P3
- High dust production: compressed air/oxygen apparatus

8.3.2 hand protection:
- Gloves
  Suitable materials: No data available
- Breakthrough time: N.D.

8.3.3 eye protection:
- Safety glasses
- In case of dust production: protective goggles

8.3.4 skin protection:
- Protective clothing
- In case of dust production: head/neck protection
  Suitable materials: No data available

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	:	Crystalline solid / Scales
Odour	:	Odourless
Colour	:	Colourless to fluorescent yellow-green

9.2 Important health, safety and environmental information:

pH value	:	N.D.	
Boiling point/boiling range	:	N.A.	**°C**
Flashpoint	:	N.D.	**°C**
Explosion limits	:	N.D.	**vol%** (**°C**)
Vapour pressure (at 20°C)	:	0.00007	**hPa**
Vapour pressure (at 50°C)	:	N.D.	**hPa**
Relative density (at 20°C)	:	1.3	
Water solubility	:	0.00001	**g/100 ml**
Soluble in	:	Ether, acetone, oils/fats	
Relative vapour density	:	N.D.	
Viscosity	:	N.D.	**Pa.s**
Partition coëfficient n-octanol/water	:	5.61/5.79	
Evaporation rate			
ratio to butyl acetate	:	N.D.	
ratio to ether	:	N.D.	

9.3 Other information:

Melting point/melting range	:	160	**°C**
Auto-ignition point	:	N.D.	**°C**
Saturation concentration	:	N.D.	**g/m³**

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:
- Stable under normal conditions

10.2 Materials to avoid:
- Keep away from: heat sources, ignition sources, oxidizing agents, acids

10.3 Hazardous decomposition products:
- Upon combustion CO and CO2 are formed
- Reacts violently with (strong) oxidizers
- Decomposes on exposure to (strong) acids

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat	:	N.D.	**mg/kg**
LD50 dermal rat	:	N.D.	**mg/kg**
LD50 dermal rabbit	:	N.D.	**mg/kg**
LC50 inhalation rat	:	N.D.	**mg/l/4 h**
LC50 inhalation rat	:	N.D.	**ppm/4 h**

11.2 Chronic toxicity:

EC carc. cat.	:	2
EC muta. cat.	:	not listed
EC repr. cat.	:	not listed
Carcinogenicity (TLV)	:	A2
Carcinogenicity (MAC)	:	K
Carcinogenicity (VME)	:	not listed
Carcinogenicity (GWBB)	:	not listed
Carcinogenicity (MAK)	:	2
Mutagenicity (MAK)	:	not listed
Teratogenicity (MAK)	:	-
IARC classification	:	2A

11.3 Routes of exposure: ingestion, inhalation, eyes and skin
Caution! Substance is absorbed through the skin

11.4 Acute effects/symptoms:

AFTER SKIN CONTACT
- Slight irritation

11.5 Chronic effects:

- Probably human carcinogenic
- Mutagenicity: AMES test positive
- Probably human mutagenic

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
- No specific information available

SIMILAR PRODUCTS CAUSE FOLLOWING SYMPTOMS:
- Feeling of weakness
- Photoallergy
- Skin rash/inflammation
- Cracking of the skin
- Skin cancer
- Lung tissue affection/degeneration
- Enlargement/affection of the liver
- Affection of the renal tissue

12. Ecological information

12.1 Ecotoxicity:

- LC50 (65 h) : 0.0018 mg/l (PIMEPHALES PROMELAS)
- EC50 (96 h) : 0.01 mg/l (DAPHNIA PULEX)

12.2 Mobility:

- **Volatile organic compounds (VOC):** 0%

- Photolysis in water
- Ozonation in water
- Insoluble in water

For other physicochemical properties see heading 9.

12.3 Persistence and degradability:

- **biodegradation BOD_5** : N.D. **% ThOD**
- **water** : - Not readily biodegradable in water
- **soil** : **T ½:** > 100 **days**

12.4 Bioaccumulative potential:
- **log P_{ow}** : 5.61/5.79
- **BCF** : 72 h : 350 (LEUCISCUS IDUS)
- Highly bioaccumulative

12.5 Other adverse effects:

- **WGK** : 3 (Classification based on the R-phrases in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (Council Regulation (EC) 3093/94)
- **Greenhouse effect** : no data available
- **Effect on waste water purification** : no data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 16 05 06 (laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals)
- Waste material code (Flanders): 001, 045, 691
- Waste code (Germany): 59302
- Hazardous waste (91/689/EEC)

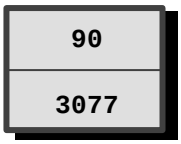
13.2 Disposal methods:

- Dissolve or mix with a combustible solvent
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber
- Do not discharge into surface water (2000/60/EEC, Council Decision 2455/2001/EC)

13.3 Packaging/Container:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

14. Transport information



14.1 Classification of the substance in compliance with UN Recommendations

UN number	: 3077
CLASS	: 9
SUB RISKS	: -
PACKING	: III
PROPER SHIPPING NAME	: UN 3077, Environmentally hazardous substance, solid, n.o.s. (benzo[a]anthracene)

14.2 ADR (transport by road)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.3 RID (transport by rail)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.4 ADNR (transport by inland waterways)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.5 IMDG (maritime transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
MFAG	: -
EMS	: -
MARINE POLLUTANT	: P

14.6 ICAO (air transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:
PACKING INSTRUCTIONS CARGO AIRCRAFT	:

14.7 Special precautions in connection with transport : none

14.8 Limited quantities (LQ) :

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:
each package shall display a diamond-shaped figure with the following inscription:
- 'UN 3077'
or, in the case of different goods with different identification numbers within a single package:
- the letters 'LQ'

15. Regulatory information

Enumerated in substance list Annex I of directive 67/548/EEC et sequens

Toxic

Dangerous for the environment

R45 : May cause cancer
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S53 : Avoid exposure - obtain special instructions before use
S45 : In case of accident or if you feel unwell, seek medical advice (show the label where possible)
S60 : This material and/or its container must be disposed of as hazardous waste
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
***** = INTERNAL CLASSIFICATION

Full text of any R-phrases referred to under heading 2:

R45 : May cause cancer
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Exposure limits:
TLV : Threshold Limit Value - ACGIH USA 2000
OES : Occupational Exposure Standards - United Kingdom 1999
MEL : Maximum Exposure Limits - United Kingdom 1999
MAK : Maximale Arbeitsplatzkonzentrationen - Germany 2001
TRK : Technische Richtkonzentrationen - Germany 2001
MAC : Maximale aanvaarde concentratie - The Netherlands 2002
VME : Valeurs limites de Moyenne d'Exposition - France 1999
VLE : Valeurs limites d'Exposition à court terme - France 1999
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium 1998
GWK : Grenswaarde kortstondige blootstelling - Belgium 1998
EC : Indicative occupational exposure limit values - directive 2000/39/EC

Chronic toxicity:
K : List of the carcinogenic substances and processes - The Netherlands 2002

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(a)PYRENE**

CAS Number: 50-32-8
DOT Number: None

RTK Substance number: 0207
Date: August 1992 Revision: July 1998

HAZARD SUMMARY

* **Benzo(a)pyrene** can affect you when breathed in and by passing through your skin.
* **Benzo(a)pyrene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Exposure may damage the developing fetus.
* **Benzo(a)pyrene** can cause skin irritation with rash and/or burning sensations. Repeated exposure can cause skin changes such as thickening and darkening.
* Exposure can irritate and/or burn the eyes on contact.
* Except in laboratories, **Benzo(a)pyrene** is usually mixed with other "Coal Tar Pitch" chemicals. CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH and SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEETS ON COAL TAR SUBSTANCES.

IDENTIFICATION

Benzo(a)pyrene is a pale yellow, crystalline solid or a powder. In its pure form it is used as a laboratory reagent. **Benzo(a)pyrene** also forms as a gaseous by-product when certain carbon substances burn, such as coal tar pitch chemicals.

REASON FOR CITATION

* **Benzo(a)pyrene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, IARC, NIOSH, NTP, EPA, HHAG and DOT.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN** and a **MUTAGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.20.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) for *Coal Tar Pitch Volatiles* (*benzene*-soluble fraction) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit for *Coal Tar Pitch Volatiles* (*cyclohexane*-extractable fraction) is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: ACGIH recommends that worker exposures, by all routes, be controlled to levels as low as can be reasonably achieved.

* **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, stored, or formed.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(a)pyrene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(a)pyrene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(a)pyrene**:

* **Benzo(a)pyrene** can cause skin irritation with rash and/or burning sensations. Exposure to sunlight and the chemical together can increase these effects.
* Exposure can irritate and/or burn the eyes on contact.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(a)pyrene** and can last for months or years:

Cancer Hazard

* **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There is some evidence that it causes skin, lung, and bladder cancer in humans and in animals.
* **Benzo(a)pyrene** has caused CANCER in the offspring of animals exposed to the substance during pregnancy.
* Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

* **Benzo(a)pyrene** may damage the developing fetus.
* There is some evidence that **Benzo(a)pyrene** may affect sperm and testes (male reproductive glands).
* **Benzo(a)pyrene** may be transferred to nursing infants through the exposed mother's milk.

Other Long-Term Effects

* Repeated exposure to **Benzo(a)pyrene** can cause skin changes such as thickening, darkening, and pimples. Later skin changes include loss of color, reddish areas, thinning of the skin, and warts.

MEDICAL

Medical Testing

If warts or other growths on the skin get larger or change color, they should be examined by a doctor for possible early skin cancer. Skin cancer is very often easily cured when detected early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.20.

Mixed Exposures

* Sunlight may cause a rash to develop in people exposed to **Benzo(a)pyrene** and increases the risk of skin cancer.
* Tobacco smoke also contains **Benzo(a)pyrene**. Smoking may increase the risk of lung cancer with exposure to **Benzo(a)pyrene**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(a)pyrene** from drums or other storage containers to process containers.
* Use a Class I, Type B, biological safety hood when working with **Benzo(a)pyrene** in a laboratory.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(a)pyrene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(a)pyrene**.

* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(a)pyrene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(a)pyrene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where the above chemicals or **Benzo(a)pyrene** are handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating or smoking.
* In laboratories DO NOT DRY SWEEP for clean-up. Use a vacuum or a wet method to reduce dust during clean-up.
* When vacuuming, a high efficiency particulate absolute (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(a)pyrene**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear dust-proof goggles and face shield when working with powders or dust, unless full facepiece respiratory protection is worn.
* Where exposure to volatilized *Coal Tar* products may occur, wear gas-proof goggles and face shield, unless full facepiece respiratory protection is worn.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposures over **0.1 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** of *Coal Tar Pitch Volatiles* is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. Because of this, and because of exposure of children or people who are already ill, community exposures may cause health problems.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: But aren't pregnant women at the greatest risk from reproductive hazards?
A: Not necessarily. Pregnant women are at greatest risk from chemicals which harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Disease and Injury Services
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Disease and Injury Services, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>>> EMERGENCY INFORMATION <<<<<<<<<<<<<<<<<<<

Common Name: **BENZO(a)PYRENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **50-32-8**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	1	-
REACTIVITY	0	-
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(a)pyrene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, or foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE, including *Carbon Monoxide*.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(a)pyrene** or other *Coal Tar* Products are spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate the area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(a)pyrene** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE

* Prior to working with **Benzo(a)pyrene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, stored, or formed.
* **Benzo(a)pyrene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE)
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, POISON INFORMATION 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: Greater than 1 mm Hg at 68^{o}F (20^{o}C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Benzo(a)pyrene

Other Names:

B(a)P; BP; 3,4-Benzopyrene

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

APPENDIX F

JOBSITE SAFETY INSPECTION CHECKLIST

Jobsite Safety Inspection Checklist

Date: _____ **Inspected By:** _____

Location: _____ **Project #:** _____

Check one of the following: **A:** Acceptable **NA**: Not Applicable **D**: Deficient				
	A	**NA**	**D**	**Remarks**
1. HASP available on site or inspection?				
2. Health & Safety Compliance agreement appropriately signed by Langan employees and subcontractors?				
3. Hospital route map with directions posted on site?				
4. Emergency Notification List posted on site?				
5. First Aid kit available and properly stocked?				
6. Personnel trained in CPR/First Aid on site?				
7. MSDS readily available, and all workers knowledgeable about the specific chemicals and compounds to which they may be exposed?				
8. Appropriate PPE being worn by Langan employees and subcontractors?				
9. Project site safe practices ("Standing Orders") posted?				
10. Project staff have 40-hour/8-hour/Supervisor HAZWOPER training?				
11. Project staff medically cleared to work in hazardous waste sites and fit-tested to wear respirators, if needed?				
12. Respiratory protection readily available?				
13. Health & Safety Incident Report forms available?				
14. Air monitoring instruments calibrated daily and results recorded on the Daily Instrument Calibration check sheet?				
15. Air monitoring readings recorded on the air monitoring data sheet/field log book?				
16. Subcontract workers have received 40-hour/8-hour/Supervisory HAZWOPER training, as appropriate?				
17. Subcontract workers medically cleared to work on site, and fit-tested for respirator wear?				
18. Subcontract workers have respirators readily available?				
19. Mark outs of underground utilities done prior to initiating any subsurface activities?				
20. Decontamination procedures being followed as outlined in HASP?				
21. Are tools in good condition and properly used?				
22. Drilling performed in areas free from underground objects including utilities?				
23. Adequate size/type fire extinguisher supplied?				

24. Equipment at least 20 feet from overhead power lines?				
25. Evidence that drilling operator is responsible for the safety of his rig.				
26. Trench sides shored, sloped back, or boxed?				
27. Underground utilities located and authorities contacted before digging?				
28. Ladders in trench (25-foot spacing)?				
29. Excavated material placed more than 2 feet away from excavation edge?				
30. Public protected from exposure to open excavation?				
31. People entering the excavation regarding it as a permit-required confined space and following appropriate procedures?				
32. Confined space entry permit is completed and posted?				
33. All persons knowledgeable about the conditions and characteristics of the confined space?				
34. All persons engaged in confined space operations have been trained in safe entry and rescue (non-entry)?				
35. Full body harnesses, lifelines, and hoisting apparatus available for rescue needs?				
36. Attendant and/or supervisor certified in basic first aid and CPR?				
37. Confined space atmosphere checked before entry and continuously while the work is going on?				
38. Results of confined space atmosphere testing recorded?				
39. Evidence of coordination with off-site rescue services to perform entry rescue, if needed?				
40. Are extension cords rated for this work being used and are they properly maintained?				
41. Are Ground Fault Circuit Interrupters provided and being used?				

Unsafe Acts:

Notes:

APPENDIX G

JOB SAFETY ANALYSIS FORMS

- **Blank Form**
- **Direct-Push Soil Borings**
- **Environmental Sampling**
- **Field Sampling**
- **Monitoring Well Development**
- **Monitoring Well Installation**
- **Soil Screening for Off-Site Disposal**

LANGAN	Job Safety Analysis (JSA) Health and Safety
JSA TITLE: **JSA NUMBER:**	**DATE CREATED:** **CREATED BY:** **REVISION DATE:** **REVISED BY:**
Langan employees must review and revise the Job Safety Analysis (JSA) as needed to address the any site specific hazards not identified. Employees must provide their signatures on the last page of the JSA indicating they have review the JSA and are aware the potential hazards associated with this work and will follow the provided preventive or corrective measures.	

PERSONAL PROTECTIVE EQUIPMENT REQUIRED: (PPE): ■ Required ☒ As Needed		
☐ Steel-toed boots	☐ Nitrile gloves	☐ Dermal Protection (Specify)
☐ Long-sleeved shirt	☐ Leather/ Cut-resistant gloves	☐ High visibility vest/clothing
☐ Safety glasses	☐ Face Shield	☐ Hard hat
ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT NEEDED (Provide specific type(s) or descriptions)		
☐ Air Monitoring:	☐ Respirators:	☐ Other:
☐ Dermal Protection:	☐ Cartridges:	☐ Other:

JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
1.	1. 2.	1a. 1b. 2a. 2b.
2.	1.	1.
3.	1.	1.
Additional items identified in the field.		
Additional Items.		

If additional items are identified during daily work activities, please notify all relevant personnel about the change and document on this JSA.

APPENDIX H

TAILGATE SAFETY BRIEFING

LANGAN TAILGATE SAFETY BRIEFING

Date: _____ Time: _____

Leader: _____ Location: _____

Work Task: _____

SAFETY TOPICS (*provide some detail of discussion points*)

Chemical Exposure Hazards and Control: _____

_____

Physical Hazards and Control: _____

Air Monitoring: _____

PPE: _____

Communications: _____

Safe Work Practices: _____

_____

Emergency Response: _____

Hospital/Medical Center Location: _____

Phone Numbers: _____

Other: _____

FOR FOLLOW-UP (the issues, responsibilities, due dates, etc.**)**

_____

_____

_____

ATTENDEES

PRINT NAME	COMPANY	SIGNATURE

Appendix G

Vapor Barrier/Waterproofing Membrane Product Specifications

GRACE

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprising a thick HDPE film, an aggressive pressure sensitive adhesive and a weather resistant protective coating.

Unlike conventional non-adhering membranes, which are vulnerable to water ingress tracking between the unbonded membrane and structure, the unique Preprufe bond to concrete prevents ingress or migration of water around the structure.

The Preprufe R System includes:

- **Preprufe 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe 160R**—thinner grade for blindside, zero property line applications against soil retention systems.
- **Preprufe Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe Tape HC**—as above for use in Hot Climates (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.

Preprufe 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted sand or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene self-adhesive membrane or Procor® fluid applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- Inherently waterproof, non-reactive system:
  - not reliant on confining pressures or hydration
  - unaffected by freeze/thaw, wet/dry cycling
- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack

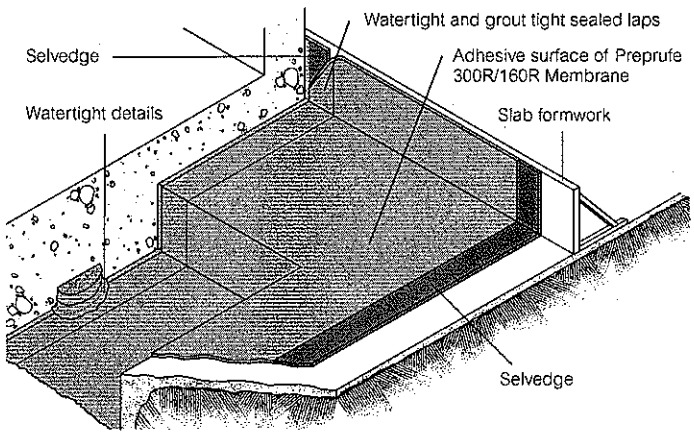
Installation

The most current application instructions, detail drawings and technical letters can be viewed at www.graceconstruction.com. Technical letters are provided for the following subjects to assist in the installation of Preprufe:

- Chemical Resistance
- Minimizing Concrete Shrinkage and Curling
- Rebar Chairs on Preprufe 300R Membrane
- Removal of Formwork Placed Against Preprufe Membranes
- Winter Lap Sealing and the use of Preprufe Tape LT

For other technical information contact your local Grace representative.

Preprufe 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.



Drawings are for illustration purposes only.
Please refer to www.graceconstruction.com for specific application details.

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear.

Refer to Grace Tech Letters for information on suitable rebar chairs for Preprufe.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Secure the top of the membrane using a batten such as a termination bar or similar 2 in. (50 mm) below the top edge (see Figure 3). Fastening can be made through the selvedge so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner. Any additional fasteners must be covered with a patch of Preprufe Tape (see Figure 4).

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe Tape LT (or HC in hot climates) centered over the lap and roll firmly. Immediately remove printed plastic release liner from the tape.

Details

Refer to Preprufe Field Application Manual, Section V Application Instructions or visit www.graceconstruction.com. This Manual gives comprehensive guidance and standard details for:

- internal and external corners
- penetrations
- tiebacks
- columns
- grade beam pilecaps
- tie-ins
- terminations

Figure 1

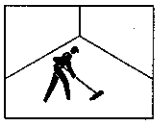


Figure 2

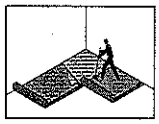


Figure 3

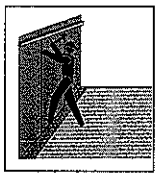
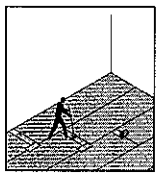


Figure 4



Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by jet washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly. Any areas of damaged adhesive should be covered with Preprufe Tape. Remove printed plastic release liner from tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape, rolling firmly. Alternatively, use a hot air gun or similar to activate adhesive and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe R Membrane and Tape.

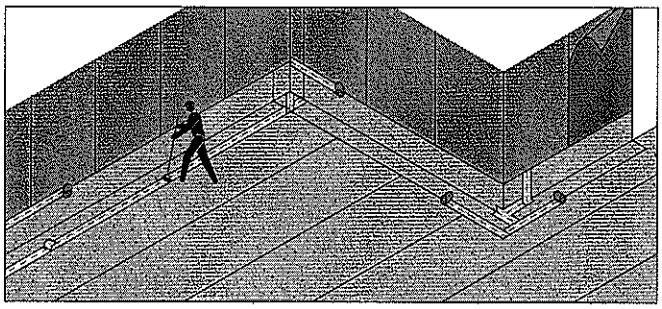
It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Concrete must be placed and compacted carefully to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm²) is recommended prior to stripping formwork supporting Preprufe membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

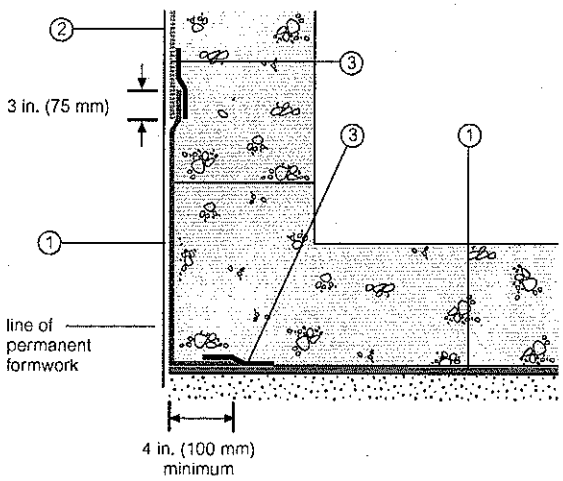
As a guide, to reach the minimum compressive strength stated above, a structural concrete mix with an ultimate strength of 6000 psi (40 N/mm²) will typically require a cure time of approximately 6 days at an average ambient temperature of 25°F (-4°C), or 2 days at 70°F (21°C).



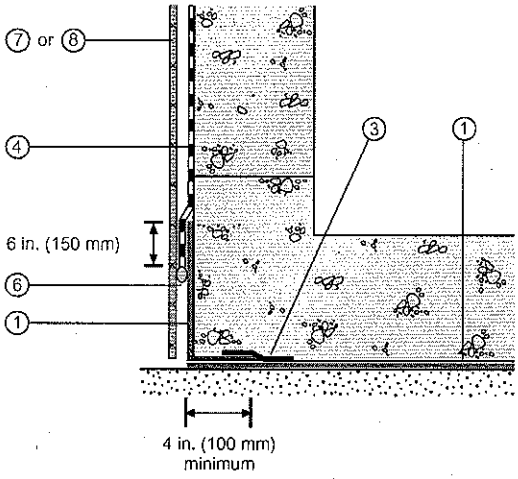
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at www.graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

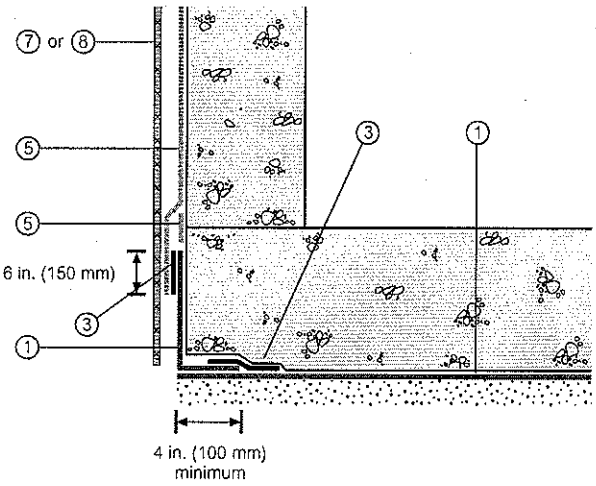
Wall base detail against permanent shutter



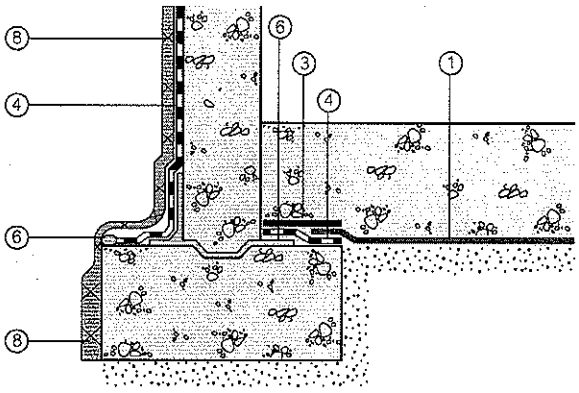
Bituthene wall base detail (Option 1)



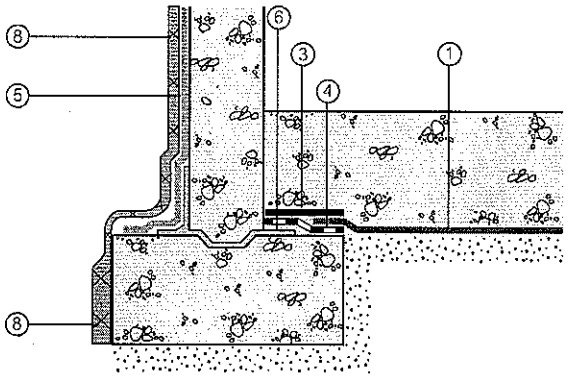
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



1 Preprufe 300R
2 Preprufe 160R
3 Preprufe Tape
4 Bituthene
5 Procor
6 Bituthene Liquid Membrane
7 Protection
8 Hydroduct®

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft² (36 m²)	460 ft² (42 m²)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)
* LT denotes Low Temperature (between 25°F (-4°C) and 86°F (+30°C)) HC denotes Hot Climate (50°F (>+10°C))			
Ancillary Products			
Bituthene Liquid Membrane—1.5 US gal (5.7 liter) or 4 US gal (15.1 liter)			

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm) nominal	0.032 in. (0.8 mm) nominal	ASTM D3767
Low temperature flexibility	Unaffected at -10°F (-23°C)	Unaffected at -10°F (-23°C)	ASTM D1970
Resistance to hydrostatic head, minimum	231 ft (70 m)	231 ft (70 m)	ASTM D5385, modified[1]
Elongation, minimum	300%	300%	ASTM D412, modified[2]
Tensile strength, film, minimum	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -10°F (-23°C), 100 cycles	Unaffected	Unaffected	ASTM C836
Puncture resistance, minimum	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete, minimum	5.0 lbs/in. (880 N/m) width	5.0 lbs/in. (880 N/m) width	ASTM D903, modified[3]
Lap peel adhesion	2.5 lbs/in. (440 N/m) width	2.5 lbs/in. (440 N/m) width	ASTM D1876, modified[4]
Permeance to water vapor transmission, maximum	0.01 perms (0.6 ng/(Pa × s × m²))	0.01 perms (0.6 ng/(Pa × s × m²))	ASTM E96, method B
Water absorption, maximum	0.5%	0.5%	ASTM D570
Methane permeability	9.1 mls/m²/day	N/A	University of London, QMW College[3]
Permeability[5] (hydraulic conductivity)	K=<1.4 x 10^{-11}cm.s^{-1}	K=<1.4 x 10^{-11}cm.s^{-1}	ASTM D5084-90

Footnotes:

1. Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
2. Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
3. Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
4. The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute at 25°F (-4°C).
5. Result is lower limit of apparatus. Membrane therefore considered impermeable.

Specification Clauses

Preprufe 300R or 160R shall be applied with its adhesive face presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions.

Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor with Preprufe.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

PF-111E Printed in U.S.A. 3/07 FA/LI/1M

GRACE

GRACE
Construction Products

1. Product Name
Preprufe® 300R and 160R Waterproofing Systems

2. Manufacturer
Grace Construction Products
62 Whittemore Avenue
Cambridge, MA 02140
(866) 333-3SBM (3726)
Fax: (617) 498-4311
www.graceconstruction.com

3. Product Description

BASIC USE

Preprufe® 300R and Preprufe 160R membranes are used in blind side waterproofing applications where positive side waterproofing is desired but the positive side of the structure is not accessible once the concrete is poured.

Preprufe 300R Membrane is used primarily in under slab and below-grade split slab applications. Preprufe 300R Membrane is applied over properly prepared earth, stone or concrete. Concrete is cast against the adhesive side of the membrane. Preprufe 300R Membrane incorporates an exceptionally tough HDPE film and is designed to allow foot traffic directly on the membrane during construction.

Preprufe 160R Membrane is used in vertical applications. It is applied to properly prepared soil retention systems and concrete is cast against the membrane.

COMPOSITION & MATERIALS

Preprufe 300R and Preprufe 160R membranes are multilayered composite sheets consisting of an exceptionally tough HDPE film, a specially formulated synthetic pressure sensitive adhesive and a protective coating.

ACCESSORY COMPONENTS

- Preprufe Tape
- Preprufe Tieback Cover
- Bituthene® Liquid Membrane
- Preprufe CJ Tape

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM C836 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D570 Standard Test Method for Water Absorption of Plastics
- ASTM D882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D1876 Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)
- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions
- ASTM D5385 Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover

PHYSICAL PROPERTIES

For detailed information on the physical properties of Preprufe 300R and Preprufe 160R Membranes, see Table 1.

5. Installation

Apply membranes when ambient temperatures are 25 degrees F (-4 degrees C) or above. Substrates must be smooth and sound with no gaps or voids in excess of 1/2" (13 mm).

FORMING SYSTEMS

It is very important to specify a forming system that is compatible with the Preprufe system. One-sided wall forming systems are clearly the best choice since there are no form ties used in this system. Therefore, there are no penetrations to the waterproofing layer. Other compatible systems include gang forms with load gathering form ties. These systems minimize the number of penetrations.

Hand set forming systems or, more specifically, use of form ties with ultimate load capabilities of less than 10,000 lb (44,500 N) per tie are not recommended. These systems have many form ties that penetrate the waterproofing.

Formwork

On vertical applications, use one-sided wall forming systems to minimize punctures in the membrane after the membrane is installed. Review Technical Letter "Forming Systems for use with Preprufe 160R Membrane."

APPLICATION

Vertical Applications

Apply the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. The membrane may be installed in any convenient length vertically. For lengths of membrane greater than 8' (2.4 m), mechanically fasten the membrane at 2' (0.6 m) intervals centered in the self-adhesive selvedge prior to making the side lap, using small head nails or staples.

Using the lap line as a guide, apply subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should they occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner.

It is important that all nail heads be covered with the overlapping sheets of membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A metal seam roller is recommended. To maximize adhesion in colder temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters). Overlap the ends of the membrane a minimum of 3" (75 mm). Remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct® Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape. Secure the top termination of the membrane with a termination bar and fasteners.

If the top termination is to be covered by the concrete pour, a strip of Preprufe CJ Tape must be placed over the termination bar and fasteners. Place the termination bar 2" (50 mm)

below the top edge of the membrane. If the membrane will tie into subsequent sheets of Preprufe, Bituthene Membrane or other waterproofing, leave an additional 12" (300 mm) length of Preprufe 160R membrane. Protect this length from damage and do not remove the release liner. This length of clean membrane will be used to complete the appropriate waterproofing details after the concrete or lift is poured.

Horizontal Applications

Roll out the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. Remove the clear release liner at the time of installation. Using the lap line as a guide, align and roll out subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A heavy metal seam roller is recommended.

Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should this occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner. To maximize adhesion in cooler temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters section of website). The membrane may be installed in any convenient length. Overlap the ends of the membrane 3" (75 mm) and remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape.

Internal & External Corners

Install the Preprufe Membrane according to standard application instructions detailed for vertical and horizontal applications above. Internal and external corners should be formed as shown in the Detail Drawings returning the membrane a minimum of 4" (100 mm).

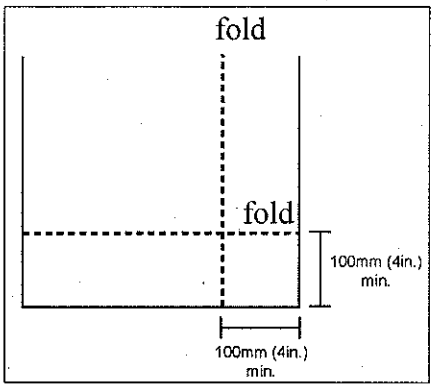


Figure 1

Internal Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to ensure a close fit to the substrate profile and avoid hollows. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

External Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to

TABLE 1 PHYSICAL PROPERTIES OF PREPRUFE 160R AND PREPRUFE 300R MEMBRANES

	Typical values	
Property & test method	Preprufe 160R Membrane	Preprufe 300R Membrane
Color	White	White
Thickness, ASTM D3767, Method A	0.032" (0.8 mm) nominal	0.046" (1.2 mm) nominal
Low temperature flexibility, ASTM D1970	Unaffected at -10°F (-23°C)	Unaffected at -10°F (-23°C)
Resistance to hydrostatic head, minimum, ASTM D5385, Modified [1]	231 (70 m)	231 (70 m)
Elongation, minimum, ASTM D412, Modified [2]	300%	300%
Tensile strength, film, minimum, ASTM D882	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)
Crack cycling, at -10°F (-23°C), 100 cycles, ASTM C836	Unaffected	Unaffected
Puncture resistance, minimum, ASTM E154	100 lb (445 N)	221 lb (990 N)
Peel adhesion to concrete, minimum, ASTM D903, Modified [3]	5.0 lb/in width (880 N/m)	5.0 lb/in width (880 N/m)
Lap peel adhesion, ASTM D1876, Modified [4]	2.5 lb/in width (440 N/m)	2.5 lb/in width (440 N/m)
Permeance to water vapor transmission, maximum, ASTM D96, Method B	0.01 perms (0.6 ng/(Pa x s x m²))	0.01 perms (0.6 ng/(Pa x s x m²))
Water absorption, maximum, ASTM D570	0.5%	0.5%

[1] Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125" (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.

[2] Elongation of membrane is run at a rate of 2" (51 mm) per minute.

[3] Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2" (51 mm) per minute at room temperature.

[4] The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2" (51 mm) per minute at 25°F (-4°C).

ensure a close fit to the substrate profile and avoid hollows. Cut the Preprufe membrane in order to wrap around corner. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

Round Penetrations

For Service Pipes, Lighting Conduit, Piles, etc. - Follow these steps to seal around penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (50 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap, repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration.
4. Cut a patch of Preprufe Membrane that is a minimum of 12" (300 mm) larger than the diameter or width of the penetration so that the patch extends 6" (150 mm) beyond the penetration in all directions. Remove the release liner and center the patch over penetration and trace/draw the penetration profile onto the patch. Using sheers or a utility knife, make relief cuts through the membrane. Triangles formed by making a relief cut are not to exceed 2" (50 mm) in height when placed over penetration. In other words, penetration diameters greater than 4" (100 mm) need to be trimmed. Remove and discard release liner.
5. Slide the patch over penetration and press into the partially cured Liquid Membrane. Ensure that the patch is pressed firmly into the Liquid Membrane and is positioned directly onto the Preprufe Field Membrane/Tape below. Using a trowel, smooth out any Liquid Membrane that has flowed out of the relief cut.
6. Apply Preprufe Tape centered over the edges of the patch and roll firmly to form a tight seal. Remove release liner from tape and discard.
7. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the patch. Remove enough release liner to overlap Tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

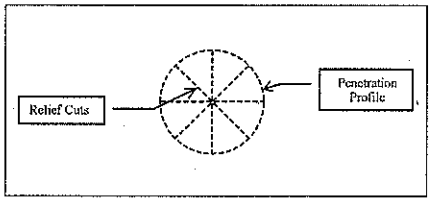


Figure 2

Straight Edge Penetrations

For square piles, steel columns, walers, rakers, etc. - Follow these steps to seal around

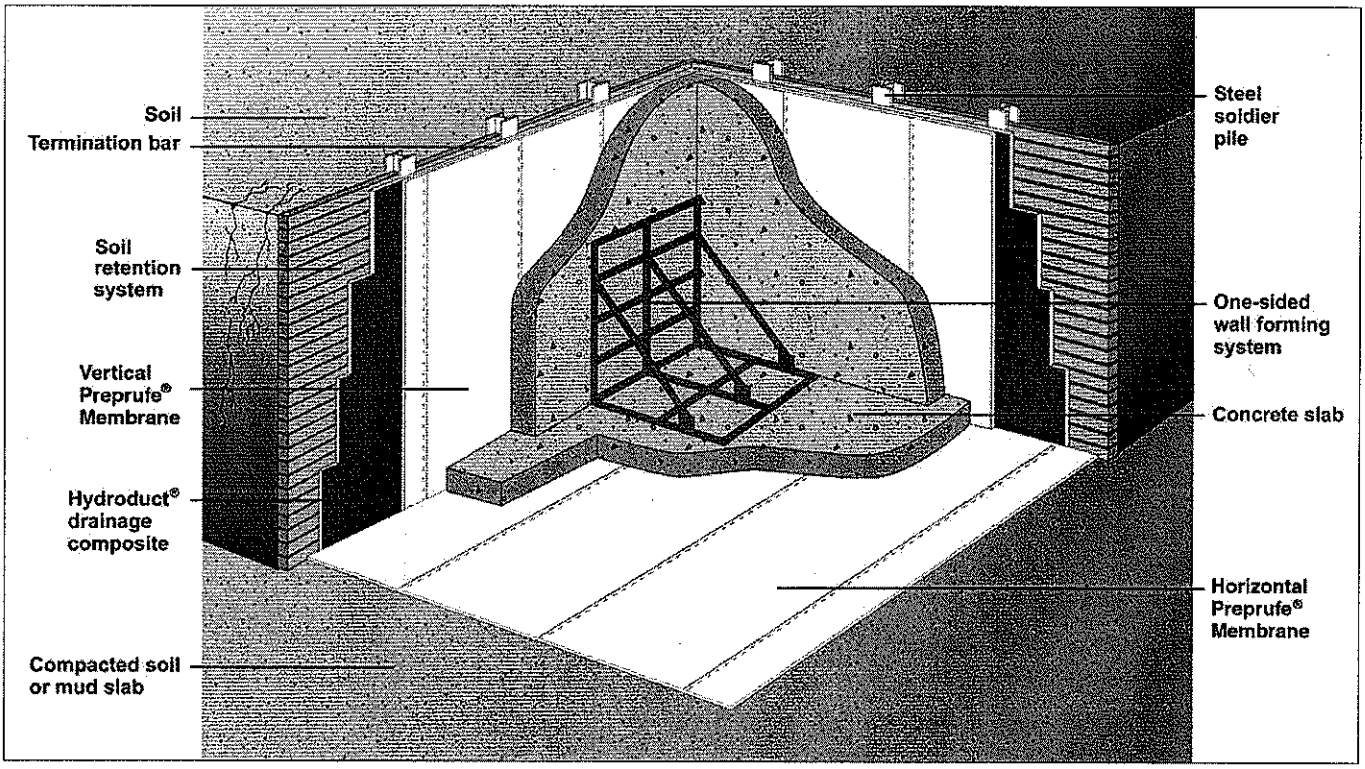


Figure 3 Preprufe® Waterproofing Systems

penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration. Apply a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and the penetration.
4. Install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the Preprufe Membrane and the penetration intersection.
5. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved.
6. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the penetration with a bead of Bituthene Liquid Membrane.

Wall Penetrations

For Rebar, All-Thread, Metal Dowels, etc. - Follow these steps to seal around penetrations:

1. Clean loose dust or dirt from the penetration and the surrounding substrate surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the substrate and the base of the penetration.
3. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
4. Position the field membrane snug to the penetration so that it is a maximum of 1/2" (12 mm) from the base of the penetration and press firmly into the partially cured Liquid Membrane.
5. Apply Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the base of the penetration. Extend a 90 mil (2.2 mm) continuous coating of Liquid Membrane overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and 6" (150 mm) onto the penetration.
6. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the penetration. Remove enough release liner to overlap tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

Tiebacks

The Preprufe Tieback Cover is a specially designed, two-part cover used to maintain waterproofing integrity at soil retention tieback heads. The Preprufe Tieback Cover consists of a rigid ABS plastic base and prefabricated Preprufe membrane cover.

1. Install Preprufe Membrane within 2" of tieback as per standard installation instructions.
2. Center the base over tieback head and secure base to soil retention system using appropriate fasteners. Fasteners should have a low profile head.
3. Apply Preprufe Tape centered over the edge of the base flange and roll firmly to form a tight seal. Remove release liner and discard.
4. Position the membrane cover over the base taking care to ensure the cover flange sits flat onto the Preprufe Membrane.
5. Apply Preprufe Tape centered over the edge of the cover flange and roll firmly to form a tight seal. Remove release liner and discard.

Note: All Preprufe Tape should overlap onto surfaces of tape, membrane, base, cover, etc., a minimum of 50 mm (2").

Columns

There are 2 common methods to create a waterproof seal under columns.

- Column Option 1 - Preprufe Membrane is placed over the column footing and directly under the column. Tie-in penetrations such as rebar and threaded rod that penetrate the membrane should be sealed with Bituthene Liquid Membrane. Cut the membrane tight to the penetration. If membrane is not within 1/2" (12 mm) of penetration, apply Preprufe Tape to cover the gap. Mix and apply Bituthene Liquid Membrane around the penetration. Bituthene Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet around the penetration at the point of penetration. Bituthene Liquid Membrane should be applied as a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe membrane.
- Column Option 2 - Preprufe Membrane is placed below the column footing before it is poured. The membrane is installed following the vertical and horizontal application instructions described earlier in this section. When placing the membrane, it is important to leave sufficient length of Preprufe 300R beyond the footing to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. The release liner must not be removed from this extra length, and it should be protected from damage until the tie-in details are completed.

Grade Beam Pile Caps

The preferred methods to waterproof pile caps are to either "tank" or "cover" the pile cap.

- Pile Cap Option 1 (Tanking Option) - Install Preprufe Membrane over the prepared substrate as instructed in horizontal applications above. Preprufe Membrane is placed in the area formed for the pile cap before the concrete is poured. When placing the membrane, it is important to leave sufficient length of Preprufe beyond the pile cap area to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. Cut membrane tight to each pile and complete detail around each pile as instructed earlier in this section for a Penetration Detail.
- Pile Cap Option 2 (Covering Option) - For mud slabs, clean loose dust or dirt from the

pile cap and mud slab surface using a clean, dry cloth or brush. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Prime along the edge of the mud slab a minimum of 6" (150 mm) from the edge of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the edge of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed mud slab. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Compacted Earth

Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Remove compacted earth away from the sides of pile cap. Clean loose dust or dirt from the pile cap surface using a clean, dry cloth or brush.

Prime the sides of the pile cap a minimum of 6" (150 mm) from the top of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed sides of pile cap. Align a 12" (300 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove half of release liner by scoring release liner along the center of the strip.

Roll firmly onto the sides of pile cap with the 9" (225 mm) strip of Bituthene Membrane and the remaining primed pile cap. Leave the other half of the 12" (300 mm) strip with the release liner still intact in order to receive the Preprufe Membrane. Replace earth/fill and compact per standard back-filling instructions being careful not to damage the Bituthene strip including the non-bonded portion. Invert the Bituthene strip, and remove the remaining release liner to expose the adhesive portion of the Bituthene.

Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Roll firmly onto the inverted Bituthene strip. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Non-Continuous Covering

If the Structural Engineer or the design does not allow for the waterproofing to "cover" the pile cap, there must be a minimum 6" (150 mm) continuous shoulder along the perimeter of the pile cap to allow for a proper termination. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor onto the top of the pile cap along the outside edge.

Apply a 6" (150 mm) strip of Bituthene Membrane onto the Bituthene Liquid Membrane or Procor along the edge of the pile cap. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Construction Joints

Install the Preprufe membrane according to standard horizontal and vertical application instructions detailed above. Preprufe CJ Tape should be applied to the surface of the Preprufe membrane and centered along the line of all concrete joints. Remove release liner and roll firmly.

Tie-Ins

Preprufe 160R to Preprufe 300R Sub Slab Waterproofing - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal and vertical applications above. Continue onto the vertical surface of the prepared soil retention system a minimum of 18" (450 mm) above the finished elevation of the structural floor slab.

Secure the top of the membrane to temporarily hold it in place on the vertical substrate. Care should be taken to prevent damage to this exposed membrane from concrete back-splash as well as slag from rebar welding in wall forms. The exposed membrane on the vertical surface can be protected with protection board, plywood or other materials.

Following the vertical application instructions detailed above, install Preprufe 160R Membrane over the prepared vertical soil retention system. Unfasten the vertical length of the Preprufe 300R Membrane and tuck the Preprufe 160R behind the 18" (450 mm) length of Preprufe 300R, ensuring a minimum 3" (75 mm) lap. Complete the detail by installing Preprufe Tape centered over the lap being careful to seal any holes from fasteners. Roll firmly and remove the release liner.

Preprufe 300R to Post-Applied Wall Waterproofing - There are 2 options available to tie Preprufe 300R Membrane into wall waterproofing. In Option 1, the Preprufe 300R Membrane is installed under the concrete slab and the footing. Option 2 is intended for applications where the Preprufe 300R Membrane and wall waterproofing are connected through the wall and footing junction.

- Option 1 - Install Preprufe 300R Membrane over the prepared horizontal substrate and extend it up the vertical surface of the slab formwork. Terminate the membrane 6" (150 mm) above the top elevation of the structural floor slab or wall footing. Once the slab or footing is poured and cured for 7 days, remove the forms and trim the excess membrane above the slab (see Technical Letters). Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm).
- Option 2 - Prior to the pouring of the wall, apply a 90 mil (2.2 mm) coating of Bituthene Liquid Membrane on top of the footing area using standard application procedures. Extend the Bituthene Liquid Membrane 3" (75 mm) beyond the proposed wall width in each direction. Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm). On the inside of the wall, install a minimum 9" (225 mm) strip of Bituthene sheet membrane over the Bituthene Liquid Membrane that extends beyond the footing area. Install Bituthene Membrane by removing the release liner and firmly rolling the product in place. Install Preprufe 300R Membrane over the prepared substrate and terminate it at the center of the Bituthene sheet membrane strip. Apply Preprufe CJ Tape centered over the Preprufe

300R Membrane termination. Remove the release liner and roll firmly.

Preprufe 160R to Plaza Deck Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Terminate the Preprufe 160R Membrane 6" (150 mm) above the proposed height of the finished wall. Once the wall is poured and properly cured, remove temporary forming and trim the excess Preprufe 160R remaining above the wall. Install the plaza deck waterproofing according to the manufacturer's standard installation procedures. Ensure that the plaza deck waterproofing overlaps the 160R membrane a minimum of 9" (225 mm) and terminate it onto the Preprufe 160R using a bead of Bituthene Liquid Membrane.

Preprufe 160R to Post-Applied Wall Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Extend the Preprufe 160R Membrane 12" (300 mm) beyond the end of the blind-side wall. As the foundation wall formwork is installed, fold the 12" (300 mm) piece of Preprufe 160R Membrane to form a sharp corner. Secure it to the inside face of the exterior form panel. Once the wall is poured and cured for seven days, remove the formwork and install the post-applied waterproofing according to the manufacturer's standard installation procedures.

Preprufe 300R Membrane Wall Termination

- Option 1 (Liquid Membrane Detail) - Install Preprufe 300R Membrane over a mud slab as detailed in horizontal applications above. For compacted earth, contact a local Grace representative. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. At the termination of the membrane, place a 1" (25.4 mm) fillet of Bituthene liquid membrane and trowel a 90 mil (2.2 mm) coating a minimum of 3" (75 mm) onto vertical and horizontal surfaces. Remove the release liner and install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the horizontal termination. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.
- Option 2 (Sheet Membrane Detail) - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal applications above. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. Install a minimum 6" (150 mm) strip of Bituthene Membrane on the vertical surface along the joint. Mix and apply Bituthene Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the wall. Install Preprufe CJ Tape 6" (150 mm) from the edge of the wall onto the Preprufe Membrane and terminate 2" (51 mm) onto the strip of Bituthene Membrane. Install Preprufe CJ Tape onto the strip of Bituthene Membrane and overlap onto the previous Preprufe CJ Tape a minimum of 2" (51 mm). Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.

Membrane Repair

Inspect the membrane for damage before placement of reinforcing steel, formwork and concrete. Repair small punctures 1/2" (12 mm), or less, and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6" (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly.

CONCRETE PLACEMENT

Lightly soiled membrane should be cleaned with air blower and heavily soiled membrane should be cleaned with a power-washer. Cast concrete within 56 days (42 days in hot climates) of application of the membrane. Concrete must be placed carefully to avoid damage to the membrane. Never use a sharp object to consolidate concrete.

REMOVAL OF FORMWORK

Preprufe Membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured, the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe Membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm²) is recommended prior to stripping formwork supporting Preprufe Membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

As a guide, to reach the minimum compressive strength stated above, a structural concrete mix with an ultimate strength of 6000 psi (40 N/mm²) will typically require a cure time of approximately 6 days at an average ambient temperature of 25 degrees F (-4 degrees C) or 2 days at 70 degrees F (21 degrees C).

6. Availability & Cost

AVAILABILITY

A network of distributors carries Preprufe and Bituthene products for prompt delivery to project sites.

COST

For specific information, contact a local distributor or a Grace Construction Products representative.

7. Warranty

A 5 year material warranty for Preprufe and Bituthene membrane products is available from the manufacturer upon request.

8. Maintenance

Preprufe 300R and Preprufe 160R membranes will not require maintenance when installed in accordance with Grace's recommendations.

9. Technical Services

Support is provided by full-time, technically trained Grace field sales representatives and technical service personnel, backed by a central research and development staff.

10. Filing Systems

- Reed First Source
- Additional product information is available from the manufacturer.

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GRACE

BITUTHENE® SYSTEM 4000

Self-adhesive HDPE waterproofing membrane with super tacky compound for use with patented, water-based System 4000 Surface Conditioner

Description

Bituthene® System 4000 is a 1.5 mm (1/16 in.) flexible, pre-formed waterproof membrane which combines a high performance, cross laminated, HDPE carrier film with a unique, super tacky, self-adhesive rubberized asphalt compound.

System 4000 Surface Conditioner is a unique, water-based, latex surface treatment which imparts an aggressive, high tack finish to the treated substrate. It is specifically formulated to bind site dust and concrete efflorescence, thereby providing a suitable surface for the Bituthene System 4000 Waterproofing Membrane.

Conveniently packaged in each roll of membrane, System 4000 Surface Conditioner promotes good initial adhesion and, more importantly, excellent permanent adhesion of the Bituthene System 4000 Waterproofing Membrane. The VOC (Volatile Organic Compound) content of this product is 125 g/L.

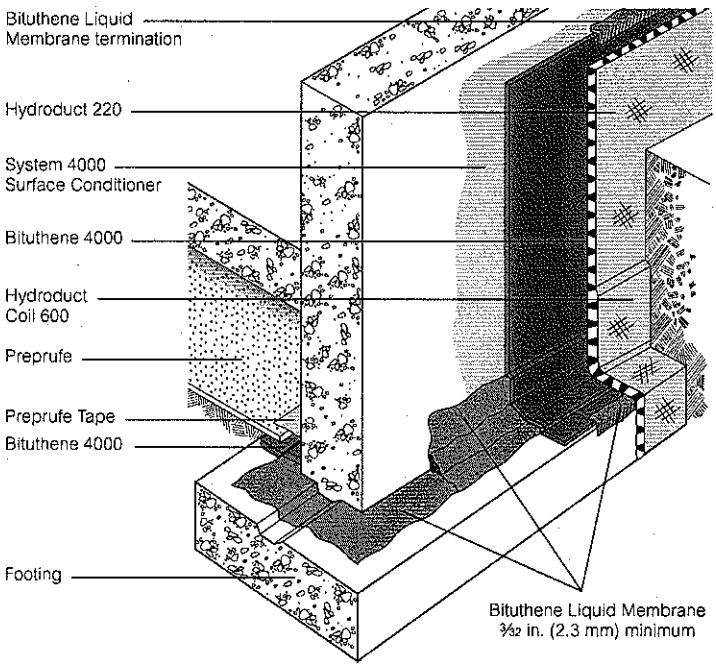
Architectural and Industrial Maintenance Regulations limit the VOC content in products classified as Architectural Coatings. Refer to Technical Letters at www.graceconstruction.com for most current list of allowable limits.

Advantages

- **Excellent adhesion**—special adhesive compound engineered to work with high tack System 4000 Surface Conditioner
- **Cold applied**—simple application to substrates, especially at low temperatures
- **Reduced inventory and handling costs**—System 4000 Surface Conditioner is included with each roll of membrane
- **Wide application temperature range**—excellent bond to self and substrate from 25°F (-4°C) and above

Product Advantages

- Excellent adhesion
- Cold applied
- Reduced inventory and handling costs
- Wide application temperature range
- Overlap security
- Cross laminated, high density polyethylene carrier film
- Flexible
- Ripcord



Drawings are for illustration purposes only.
Please refer to www.graceconstruction.com for specific application details.

- **Overlap security**—minimizes margin for error under site conditions
- **Cross laminated, high density polyethylene carrier film**—provides high tear strength, puncture and impact resistance
- **Flexible**—accommodates minor structural movements and will bridge shrinkage cracks
- **Ripcord®**—this split release on demand feature allows the splitting of the membrane into two (2) pieces for ease of installation in detailed areas

Use

Bituthene is ideal for waterproofing concrete, masonry and wood surfaces where in-service temperatures will not exceed 135°F (57°C). It can be applied to foundation walls, tunnels, earth sheltered structures and split slab construction, both above and below grade. (For above grade applications, see *Above Grade Waterproofing Bituthene System 4000.*)

Bituthene is 1/16 in. (1.5 mm) thick, 3 ft (0.9 m) wide and 66.7 ft (20 m) long and is supplied in rolls. It is unrolled sticky side down onto concrete slabs or applied onto vertical concrete faces primed with System 4000 Surface Conditioner. Continuity is achieved by overlapping a minimum 2 in. (50 mm) and firmly rolling the joint.

Bituthene is extremely flexible. It is capable of bridging shrinkage cracks in the concrete and will accommodate minor differential movement throughout the service life of the structure.

Application Procedures

Safety, Storage and Handling Information

Bituthene products must be handled properly. Vapors from solvent-based primers and mastic are harmful and flammable.
For these products, the best available information on safe handling, storage, personal protection, health and environmental considerations has been gathered. Material Safety Data Sheets (MSDS) are available at www.graceconstruction.com and users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and the MSDS before use.

Surface Preparation

Surfaces should be structurally sound and free of voids, spalled areas, loose aggregate and sharp protrusions. Remove contaminants such as grease, oil and wax from exposed surfaces. Remove dust, dirt, loose stone and debris. Concrete must be properly dried (minimum 7 days for normal structural concrete and 14 days for lightweight structural concrete).

If time is critical, Bituthene Primer B2 may be used to allow priming and installation of membrane on damp surfaces or green concrete. Priming may begin in this case as soon as the concrete will maintain structural integrity. Use form release agents which will not transfer to the concrete. Remove forms as soon as possible from below horizontal slabs to prevent entrapment of excess moisture. Excess moisture may lead to blistering of the membrane. Cure concrete with clear, resin-based curing compounds which do not contain oil, wax or pigment. Except with Primer B2, allow concrete to thoroughly dry following rain. Do not apply any products to frozen concrete.

Repair defects such as spalled or poorly consolidated areas. Remove sharp protrusions and form match lines. On masonry surfaces, apply a parge coat to rough concrete block and brick walls or trowel cut mortar joints flush to the face of the concrete blocks.

Temperature

- Apply Bituthene System 4000 Membrane and Conditioner only in dry weather and when air and surface temperatures are 25°F (-4°C) or above.
- Apply Bituthene Primer B2 in dry weather above 25°F (-4°C). (See separate product information sheet.)

Conditioning

Bituthene System 4000 Surface Conditioner is ready to use and can be applied by spray or roller. For best results, use a pump-type air sprayer with fan tip nozzle, like the Bituthene System 4000 Surface Conditioner Sprayer, to apply the surface conditioner.

Apply Bituthene System 4000 Surface Conditioner to clean, dry, frost-free surfaces at a coverage rate of 300 ft^2/gal (7.4 m^2/L). Coverage should be uniform. Surface conditioner should not be applied so heavily that it puddles or runs. **Do not apply conditioner to Bituthene membrane.**

Allow Bituthene System 4000 Surface Conditioner to dry one hour or until substrate returns to its original color. At low temperatures or in high humidity conditions, dry time may be longer.

Bituthene System 4000 Surface Conditioner is clear when dry and may be slightly tacky. In general, conditioning should be limited to what can be covered within 24 hours. In situations where long dry times may prevail, substrates may be conditioned in advance. Substrates should be reconditioned if significant dirt or dust accumulates.

Before surface conditioner dries, tools should be cleaned with water. After surface conditioner dries, tools should be cleaned with mineral spirits. Mineral spirits is a combustible liquid which should be used only in accordance with manufacturer's recommendations. **Do not use solvents to clean hands or skin.**

Corner Details

The treatment of corners varies depending on the location of the corner. For detailed information on Bituthene Liquid Membrane, see separate product information sheet.

- At wall to footing inside corners—
  Option 1: Apply membrane to within 1 in. (25 mm) of base of wall. Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene Liquid Membrane. Extend Bituthene Liquid Membrane at least 2½ in. (65 mm) onto footing, and 2½ in. (65 mm) onto wall membrane.

  Option 2: Treat the inside corner by installing a ¾ in. (20 mm) fillet of Bituthene Liquid Membrane. Apply 12 in. (300 mm) wide strip of sheet membrane centered over fillet. Apply wall membrane over inside corner and extend 6 in. (150 mm) onto footing. Apply 1 in. (25 mm) wide troweling of Bituthene Liquid Membrane over all terminations and seams within 12 in. (300 mm) of corner.
- At footings where the elevation of the floor slab is 6 in. (150 mm) or more above the footing, treat the inside corner either by the above two methods or terminate the membrane at the base of the wall. Seal the termination with Bituthene Liquid Membrane.

Joints

Properly seal all joints with waterstop, joint filler and sealant as required. Bituthene membranes are not intended to function as the primary joint seal. Allow sealants to fully cure. Pre-strip all slab and wall cracks over 1/16 in. (1.5 mm) wide and all construction and control joints with 9 in. (230 mm) wide sheet membrane strip.

Application on Horizontal Surfaces

(Note: Preprufe® pre-applied membranes are strongly recommended for below slab or for any application where the membrane is applied before concreting. See Preprufe product information sheets.)

Apply membrane from the low point to the high point so that laps shed water. Overlap all seams at least 2 in. (50 mm). Stagger all end laps. Roll the entire membrane firmly and completely as soon as possible. Use a linoleum roller or standard water-filled garden roller less than 30 in. (760 mm) wide, weighing a minimum of 75 lbs (34 kg) when filled. Cover the face of the roller with a resilient material such as a ½ in. (13 mm) plastic foam or two wraps of indoor-outdoor carpet to allow the membrane to fully contact the primed substrate. Seal all T-joints and membrane terminations with Bituthene Liquid Membrane at the end of the day.

Protrusions and Drains

Apply membrane to within 1 in. (25 mm) of the base of the protrusion. Apply Bituthene Liquid Membrane 0.1 in. (2.5 mm) thick around protrusion. Bituthene Liquid Membrane should extend over the membrane a minimum of 2½ in. (65 mm) and up the penetration to just below the finished height of the wearing course.

Vertical Surfaces

Apply membrane in lengths up to 8 ft (2.5 m). Overlap all seams at least 2 in. (50 mm). On higher walls apply membrane in two or more sections with the upper overlapping the lower by at least 2 in. (50 mm). Roll all membrane with a hand roller.

Terminate the membrane at grade level. Press the membrane firmly to the wall with the butt end of a hardwood tool such as a hammer handle or secure into a reglet. Failure to use heavy pressure at terminations can result in a poor seal. A termination bar may be used to ensure a tight seal. Terminate the membrane at the base of the wall if the bottom of the interior floor slab is at least 6 in. (150 mm) above the footing. Otherwise, use appropriate inside corner detail where the wall and footing meet.

Membrane Repairs

Patch tears and inadequately lapped seams with membrane. Clean membrane with a damp cloth and dry. Slit fishmouths and repair with a patch extending 6 in. (150 mm) in all directions from the slit and seal edges of the patch with Bituthene Liquid Membrane. Inspect the membrane thoroughly before covering and make any repairs.

Drainage

Hydroduct® drainage composites are recommended for both active drainage and protection of the membrane. See Hydroduct product information sheets.

Protection of Membrane

Protect Bituthene membranes to avoid damage from other trades, construction materials or backfill. Place protection immediately in temperatures above 77°F (25°C) to avoid potential for blisters.

- On vertical applications, use Hydroduct 220 Drainage Composite. Adhere Hydroduct 220 Drainage Composite to membrane with Hydroduct Tape. Alternative methods of protection are to use 1 in. (25 mm) expanded polystyrene or ¼ in. (6 mm) extruded polystyrene that has a minimum compressive strength of 8 lbs/in.^{2} (55 kN/m^2). Such alternatives do not provide positive drainage to

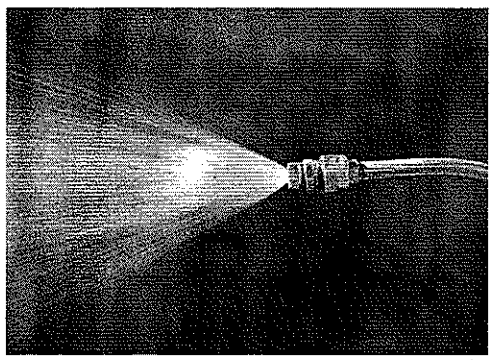
System 4000 Surface Conditioner Sprayer

The Bituthene System 4000 Surface Conditioner Sprayer is a professional grade, polyethylene, pump-type, compressed air sprayer with a brass fan tip nozzle. It has a 2 gal (7.6 L) capacity. The nozzle orifice and spray pattern have been specifically engineered for the optimum application of Bituthene System 4000 Surface Conditioner.

Hold nozzle 18 in. (450 mm) from substrate and squeeze handle to spray. Spray in a sweeping motion until substrate is uniformly covered.

Sprayer should be repressurized by pumping as needed. For best results, sprayer should be maintained at high pressure during spraying.

To release pressure, invert the sprayer and spray until all compressed air is released.



Maintenance

The Bituthene System 4000 Surface Conditioner Sprayer should perform without trouble for an extended period if maintained properly.

Sprayer should not be used to store Bituthene System 4000 Surface Conditioner. The sprayer should be flushed with clean water immediately after spraying. For breaks in the spray operation of one hour or less, invert the sprayer and squeeze the spray handle until only air comes from the nozzle. This will avoid clogging.

Should the sprayer need repairs or parts, call the maintenance telephone number on the sprayer tank (800-323-0620).

the system. If ¼ in. (6 mm) extruded polystyrene protection board is used, backfill should not contain sharp rock or aggregate over 2 in. (50 mm) in diameter. Adhere polystyrene protection board with Hydroduct Tape.

- In mud slab waterproofing, or other applications where positive drainage is not desired and where reinforced concrete slabs are placed over the membrane, the use of ¼ in. (6 mm) hardboard or 2 layers of ⅛ in. (3 mm) hardboard is recommended.

Insulation

Always apply Bituthene membrane directly to primed or conditioned structural substrates. Insulation, if used, must be applied over the membrane. Do not apply Bituthene membranes over lightweight insulating concrete.

Backfill

Place backfill as soon as possible. Use care during backfill operation to avoid damage to the waterproofing system. Follow generally accepted practices for backfilling and compaction. Backfill should be added and compacted in 6 in. (150 mm) to 12 in. (300 mm) lifts.

For areas which cannot be fully compacted, a termination bar is recommended across the top termination of the membrane.

Placing Steel

When placing steel over properly protected membrane, use concrete bar supports (dobies) or chairs with plastic tips or rolled feet to prevent damage from sharp edges. Use special care when using wire mesh, especially if the mesh is curled.

Approvals

- City of Los Angeles Research Report RR 24386
- U.S. Department of Housing and Urban Development (HUD) HUD Materials Release 628E

Warranty

Five year material warranties covering Bituthene and Hydroduct products are available upon request. Contact your Grace sales representative for details.

Technical Services

Support is provided by full time, technically trained Grace representatives and technical service personnel, backed by a central research and development staff.

Supply

Bituthene System 4000	3 ft x 66.7 ft roll (200 ft²) [0.9 m x 20 m (18.6 m²)]
Roll weight	83 lbs (38 kg) gross
Palletization	25 rolls per pallet
Storage	Store upright in dry conditions below 95°F (+35°C).
System 4000 Surface Conditioner	1 x 0.625 gal (2.3 L) bottle in each roll of System 4000 Membrane
Ancillary Products	
Surface Conditioner Sprayer	2 gal (7.6 L) capacity professional grade sprayer with specially engineered nozzle
Bituthene Liquid Membrane	1.5 gal (5.7 L) pail/125 pails per pallet or 4 gal (15.1 L) pail/48 pails per pallet
Hydroduct Tape	1 in. x 200 ft (2.5 cm x 61.0 m) roll/6 rolls per carton
Bituthene Mastic	Twelve 30 oz (0.9 L) tubes/carton or 5 gal (18.9 L) pail/36 pails per pallet
Complementary Material	
Hydroduct	See separate data sheets

Equipment by others: Soft broom, utility knife, brush or roller for priming

Physical Properties for Bituthene 4000 Membrane

Property	Typical Value	Test Method
Color	Dark gray-black	
Thickness	1/16 in. (1.5 mm) nominal	ASTM D3767—method A
Flexibility, 180° bend over 1 in. (25 mm) mandrel at -25°F (-32°C)	Unaffected	ASTM D1970
Tensile strength, membrane, die C	325 lbs/in.² (2240 kPa) minimum	ASTM D412 modified[1]
Tensile strength, film	5,000 lbs/in.² (34.5 MPa) minimum	ASTM D882 modified[1]
Elongation, ultimate failure of rubberized asphalt	300% minimum	ASTM D412 modified[1]
Crack cycling at -25°F (-32°C), 100 cycles	Unaffected	ASTM C836
Lap adhesion at minimum application temperature	5 lbs/in. (880 N/m)	ASTM D1876 modified[2]
Peel strength	9 lbs/in. (1576 N/m)	ASTM D903 modified[3]
Puncture resistance, membrane	50 lbs (222 N) minimum	ASTM E154
Resistance to hydrostatic head	210 ft (70 m) of water	ASTM D5385
Permeance	0.05 perms (2.9 ng/m²sPa) maximum	ASTM E96, section 12—water method
Water absorption	0.1% maximum	ASTM D570

Footnotes:
1. The test is run at a rate of 2 in. (50 mm) per minute.
2. The test is conducted 15 minutes after the lap is formed and run at a rate of 2 in. (50 mm) per minute at 40°F (5°C).
3. The 180° peel strength is run at a rate of 12 in. (300 mm) per minute.

Physical Properties for System 4000 Surface Conditioner

Property	Typical Value
Solvent type	Water
Flash point	>140°F (>60°C)
VOC* content	91 g/L
Application temperature	25°F (-4°C) and above
Freeze thaw stability	5 cycles (minimum)
Freezing point (as packaged)	14°F (-10°C)
Dry time (hours)	1 hour**

* Volatile Organic Compound
** Dry time will vary with weather conditions

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

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GRACE
Construction Products

1. Product Name
- Bituthene® Waterproofing Systems
- Hydroduct® Drainage Composites

2. Manufacturer

Grace Construction Products
62 Whittemore Avenue
Cambridge, MA 02140
(866) 333-3SBM (3726)
Fax: (617) 498-4311
www.graceconstruction.com

3. Product Description

BASIC USE

Bituthene® waterproofing systems and Hydroduct® drainage composites are used in positive-side waterproofing applications over concrete, masonry and wood surfaces. They are used in new construction and retrofit applications. Typical applications include foundation walls, tunnels, earth sheltered structures, and split slab construction such as plaza areas and parking decks. Interior uses include mechanical rooms, laboratories and kitchens.

COMPOSITION & MATERIALS

The Bituthene waterproofing systems consist of several waterproofing membranes and compatible accessory products and are complemented by the use of the appropriate Hydroduct drainage composite.

The Bituthene membranes are available in rolls, interwound with a disposable silicone treated release sheet. The volatile organic compound (VOC) content of all Bituthene membranes is 0 g/L.

Bituthene System 4000 Waterproofing Membrane is a factory made composite with a thickness of 0.060" (1.5 mm) consisting of 0.004" (0.1 mm) of cross-laminated polyethylene film and 0.056" (1.4 mm) of self-adhesive rubberized asphalt. It is specifically formulated for use with the Bituthene System 4000 Surface Conditioner and compatible accessory products.

Bituthene System 4000 Surface Conditioner is a water based surface conditioner specifically formulated to prepare concrete, masonry and wood surfaces for the System 4000 Waterproofing Membrane. Its VOC content is 125 g/L.

Bituthene 3000 and Bituthene Low Temperature Membranes are factory made composites with a thickness of 0.060" (1.5 mm). These products consist of 0.056" (1.4 mm) of self-adhesive rubberized asphalt and 0.004" (0.1 mm) of cross-laminated, high density polyethylene film.

Hydroduct drainage composites consist of dimpled, high impact polystyrene cores and filter fabrics designed to provide positive drainage and membrane protection. The VOC content of all Hydroduct products is 0 g/L.

Hydroduct 220 Drainage Composite is used for vertical applications over Bituthene waterproofing membranes.

Hydroduct 660 Drainage Composite is used for all horizontal applications.

Hydroduct 200 is intended for areas which are not waterproofed. Hydroduct 225 Drainage Composite incorporates a molded polyvinyl chloride core and is intended for areas requiring heat or hydrocarbon resistance.

COMPATIBILITY

Apply waterproofing membrane directly to structural surfaces. Bituthene membranes can be used over EPS wall forming systems if the additional guidelines in *Technical Letter 18, "Insulated Wall Forming Systems,"* are followed.

Bituthene membranes are compatible with aged asphalt and coal tar products.

Bituthene membranes are incompatible with creosote, pentachlorophenol, linseed oil and materials containing polysulfide polymer.

The rubberized asphalt component of Bituthene membranes is not compatible with flexible PVC or rubber sheet membranes.

Do not apply Bituthene membranes over materials containing petroleum solvents, fuels or oils. Joint sealants containing solvents must be fully cured prior to Bituthene membrane application. Refer to *Technical Letter 10, "Chemical Compatibility with Other Materials."*

Bituthene membranes are compatible with appropriate Hydroduct drainage composites.

Bituthene membranes are not compatible with certain types of prefabricated drainage systems that damage waterproofing membranes when exposed to soil pressures.

ACCESSORY MATERIALS

Architectural and Industrial Maintenance Regulations limit the VOC content in products classified as Architectural Coatings. Refer to Technical Letters on manufacturer's website for the most current list of allowable limits.

Bituthene Primer WP-3000 is a water based latex primer used to prime all concrete, masonry and wood surfaces. Its VOC content is 110 g/L.

Bituthene Primer B2 is a black, rubber based primer in solvent used to prime all concrete, masonry and wood surfaces. In addition, its patented formulation promotes the adhesion of Bituthene membranes to green concrete and damp surfaces. Its VOC content is 440 g/L.

Bituthene Deck Prep® Surface Treatment is a low viscosity, 2-component, asphalt-modified coating used to smooth and level rough decks prior to installing the Bituthene waterproofing membrane. Its VOC content is 10 g/L.

Bituthene Liquid Membrane is a 2-component, cold applied trowel grade waterproofing material used to flash corners, form fillets and detail hard-to-reach areas. Its VOC content is 10 g/L.

Bituthene Mastic is a rubberized asphalt based mastic used to seal membrane terminations. Its VOC content is 200 g/L.

Hydroduct Tape is a 2-sided, highly aggressive adhesive tape that is specially formulated to adhere Hydroduct drainage composites or expanded or extruded polystyrene protection board to the membrane. Its VOC content is 61 g/L.

LIMITATIONS

Do not apply Bituthene membranes in areas where they will be permanently exposed to sunlight, weather or traffic.

Bituthene membranes are not recommended as pond liners or as tank liners except when installed between 2 concrete slabs.

Bituthene strips over joints in T-beam structures will not provide complete waterproofing. For these structures, 9" (225 mm) strips over properly cured and sealed joints, followed by membrane coverage over the entire surface, are required for a complete waterproofing system.

Bituthene membranes are not intended to be used as a roofing underlayment or flashing material.

Use of tile set in thinset mortar is not recommended on surfaces waterproofed with Bituthene membranes unless approved by thinset mortar manufacturer.

All Hydroduct drainage composites should be promptly covered. Do not leave drainage exposed to sunlight for more than 2 weeks. Motor vehicles, construction equipment and other trades should not be allowed directly on the drainage composites.

Protect Bituthene membranes from UV or site damage immediately after installation or 24 hour flood test. Backfilling or installation of the wearing course should be completed as soon as possible.

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM C366 Standard Test Methods for Measurement of Thickness of Sandwich Cores
- ASTM C836 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D570 Standard Test Method for Water Absorption of Plastics
- ASTM D882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- ASTM D903 Standard Test Method for Peel or Stripping of Adhesive Bonds
- ASTM D1621 Standard Test Method for Compressive Properties of Rigid Cellular Plastics
- ASTM D1876 Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)
- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D3767 Method A - Standard Practice for Rubber-Measurement of Dimensions
- ASTM D3776 Standard Test Methods for Mass Per Unit Area (Weight) of Fabric
- ASTM D4491 Standard Test Methods for Water Permeability of Geotextiles by Permittivity
- ASTM D4533 Standard Test Method for Trapezoid Tearing Strength of Geotextiles
- ASTM D4632 Standard Test Method for Grab Breaking Load and Elongation of Geotextiles
- ASTM D4716 Standard Test Method for Constant Head Hydraulic Transmissivity (In-Plane Flow) of Geotextiles and Geotextile Related Products
- ASTM D4751 Standard Test Method for Determining Apparent Opening Size of a Geotextile
- ASTM D4833 Standard Test Method for Index Puncture Resistance of Geotextiles, Geomembranes, and Related Products
- ASTM D5385 Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover

APPROVALS

- City of Los Angeles Research Report RR 24386
- U.S. Department of Housing and Urban Development (HUD) HUD Materials Release 628E
- Miami Dade, NOA 03-0630.04

SPECIFICATIONS

- American Railway Engineering Association Chapter 29-2-4
- Federal Construction Guide Specification FCGS-07111
- General Service Administration (GSA) GSA-PBS 07115
- National Railroad Passenger Corporation (Amtrak) Section 7.02
- AIA MASTERSPEC® Section 07100
- U.S. Army Corps of Engineers CEGS-07111
- U.S. Department of the Navy NFGS-07111
- U.S. Department of Veterans Affairs H-08-1 Section 07113

PHYSICAL PROPERTIES

Bituthene waterproofing membranes conform to the physical property and typical values listed in Tables 1 and 3. Hydroduct drainage composites conform to the physical property and typical values in Table 2.

5. Installation

SAFETY

Bituthene products must be properly handled. Vapors from the solvent based primer and mastic are harmful and flammable. For these products, the best available information on safe handling, storage, personal protection, health and environmental considerations has been gathered and is available on Material Safety Data Sheets (MSDS). All users should acquaint themselves with this information. Carefully read detailed precaution statements on product labels and MSDS before use, or contact Grace Construction Products.

STORAGE & HANDLING

Protect all materials from rain and physical damage. Do not double stack pallets of membrane on the jobsite. Provide tarpaulin cover on top and all sides, allowing for adequate ventilation. Store membrane where temperatures will not exceed 90 degrees F (32 degrees C) for extended periods. In low temperature conditions, the membrane should be stored above 40 degrees F (5 degrees C) to promote good adhesion. Store all products in a dry area away from high heat, flames or sparks. Store only as much material at point-of-use as required for each day's work.

PREPARATORY WORK

Surface Condition

Concrete must be smooth, monolithic and free of voids, spalled areas, loose substrate and sharp protrusions, dirt and debris, and must contain no visible coarse aggregate. Repair defects such as spalled or poorly consolidated areas. Use Bituthene Deck Prep Surface Treatment to smooth and level rough concrete decks. Remove sharp protrusions and form match lines.

Curing

Concrete must be cured a minimum of 7 days for normal structural concrete and 14 days for lightweight structural concrete. If concrete is placed over a nonvented metal deck, the required curing time is doubled. Use form release agents that will not transfer to the concrete. Remove forms as soon as possible from below horizontal slabs to prevent entrapment of excess moisture. Excess moisture can lead to blistering of the membrane. Cure concrete with clear, resin based curing compounds containing no oil, wax or pigment. Allow concrete to thoroughly dry following rain.

On masonry surfaces, apply a parge coat to rough concrete block and brick walls or trowel-cut mortar joints flush to the face of the concrete blocks.

Cure time and drying time for concrete and masonry surfaces may be reduced by using Bituthene Primer B2.

TEMPERATURE

- Apply Bituthene System 4000 Membrane only in dry weather when air and surface temperatures are above 25 degrees F

(-4 degrees C)
- Apply Bituthene 3000 Membrane only in dry weather when air and surface temperatures are above 40 degrees F (5 degrees C)
- Bituthene Low Temperature Membrane can be used at temperatures above 25 degrees F (-4 degrees C) and up to 60 degrees F (16 degrees C)
- Cover the membrane immediately in temperatures above 77 degrees F (25 degrees C) to reduce potential for blistering
- Apply Bituthene System 4000 Surface Conditioner and other accessory products not listed below in dry weather above 25 degrees F (-4 degrees C)
- Apply Bituthene Primer WP-3000 in dry weather above 40 degrees F (5 degrees C)
- Do not apply products to frozen concrete

APPLICATION

Surface Conditioner

Bituthene System 4000 Surface Conditioner is supplied ready to use. Do not dilute with water or solvents. Spray surface conditioner uniformly to substrate at a rate of 300 ft²/gal (7.5 m²/L). Use appropriate sprayer and nozzle.

Allow surface conditioner to dry completely and thoroughly prior to membrane application. The surface conditioner is considered dry when the substrate returns to its original color. To test for dryness, rub small conditioned area by hand. Wet conditioner will ball up under the fingertips. Let dry until conditioner cannot be rubbed off. If conditioned areas are not covered that day, recondition the area if there is significant dust or dirt contamination.

Primer

Apply Bituthene Primer WP-3000 by spray or roller at a coverage rate of 500 - 600 ft²/gal (12 - 15 m²/L). Allow to dry 1 hour or until concrete returns to original color.

Apply Bituthene Primer B2 by lamb's wool roller at a coverage rate of 250 - 350 ft²/gal (6 - 8 m²/L). Allow primer to dry 1 hour or until tack-free. Dry time may be longer in cold temperatures.

Reprime areas if contaminated by dust. If the work area is dusty, apply membrane as soon as the primer is dry.

Surfaces treated with Deck Prep Surface Treatment do not require conditioning or priming. Metal does not require priming but must be clean, dry and free of loose paint, rust or other contaminants. Use Bituthene Primer B2 for damp or green substrates. Do not apply primer or surface conditioner to membrane.

Corners

The treatment of corners varies depending on the location of the corner.

At wall-to-footing inside corners:
- Option 1 - Apply membrane to within 1" (25 mm) of base of wall. Treat the inside corner by installing a 3/4" (19 mm) fillet of Bituthene Liquid Membrane. Extend liquid membrane at least 3" (75 mm) onto wall membrane
- Option 2 - Treat the inside corner by installing a 3/4" (19 mm) fillet of Bituthene Liquid Membrane. Apply 12" (300 mm) wide strip of membrane centered over fillet. Apply wall membrane over inside corner and extend 6" (150 mm) onto footing. Apply 1" (25 mm) wide troweling of Bituthene Mastic or Bituthene Liquid Membrane over all terminations and seams within 12" (300 mm) of corner

At footings where the elevation of the floor slab is 6" (150 mm) or more above the footing, treat the inside corner either by one of the above methods or terminate the membrane at the base of the wall. Seal the termination with Bituthene Mastic or Bituthene Liquid Membrane.

At plaza deck-to-wall inside corners:
- Option 1 - Apply membrane on wall and deck to within 1" (25 mm) of corner. Treat the inside corner by installing a 3/4" (19 mm) fillet of Bituthene Liquid Membrane. Extend Bituthene Liquid Membrane at least 3" (75 mm) onto deck membrane and 3" (75 mm) onto wall membrane. Terminate

TABLE 1 PHYSICAL PROPERTIES OF BITUTHENE MEMBRANES

Property & Test Method	Bituthene System 4000 Membrane	Bituthene 3000 Membrane	Bituthene Low Temperature Membrane
Color	Gray-black	Dark gray-black	Gray-black
Thickness, ASTM D3767, Method A	0.060" (1.5 mm) nominal	0.060" (1.5 mm) nominal	0.060" (1.5 mm) nominal
Low temperature flexibility, ASTM D1970	Unaffected at -45°F (-43°C)	Unaffected at -25°F (-32°C)	Unaffected at -45°F (-43°C)
Resistance to hydrostatic head, ASTM D5385	231' (70 m) min	200' (60 m) min	200' (61 m) min
Lap adhesion at minimum application temperature, width, ASTM D1876, Modified	5.0 lb/in (880 N/m)	4.0 lb/in (700 N/m)	5.0 lb/in (880 N/m)
Tensile strength, membrane, ASTM D412 (Die C), Modified	325 psi (2240 kPa) min	325 psi (2240 kPa) min	325 psi (2240 kPa) min
Tensile strength, film, ASTM D882, Modified	5000 psi (34.5 MPa) min	5000 psi (34.5 MPa) min	5000 psi (34.5 MPa) min
Elongation, ultimate failure of rubberized asphalt, ASTM D412, Modified	300% min	300% min	300% min
Cracking cycling, 100 cycles, ASTM D836	Unaffected at -25°F (-32°C)	Unaffected at -25°F (-32°C)	Unaffected at -25°F (-32°C)
Peel strength, width, ASTM D903, Modified	9.0 lb/in (1576 N/m)	9.0 lb/in (1576 N/m)	9.0 lb/in (1576 N/m)
Puncture resistance, membrane, ASTM E154	50 lb (222 N) min	50 lb (222 N) min	50 lb (222 N) min
Permeance, maximum, ASTM E96 Water Method	0.05 perms (2.9 ng/(Pa x s x m²))	0.05 perms (2.9 ng/(Pa x s x m²))	0.05 perms (2.9 ng/(Pa x s x m²))
Water absorption, 72 hr, ASTM D570	0.1% max	0.1% max	0.1% max

top of membrane wall flashing with Bituthene Mastic, Bituthene Liquid Membrane or termination bar

- Option 2 - Apply membrane on deck to within 1" (25 mm) of corner. Treat the inside corner by installing a 3/4" (19 mm) fillet of Bituthene Liquid Membrane. Extend Bituthene Liquid Membrane at least 3" (75 mm) onto wall and membrane
- Option 3 - Apply membrane on deck to within 1" (25 mm) of corner. Treat the inside corner by installing a 3/4" (19 mm) fillet of Bituthene Liquid Membrane. Apply membrane flashing sheet on wall, over fillet and 6" (150 mm) onto deck membrane. Apply 1" (25 mm) wide troweling of Bituthene Mastic or Bituthene Liquid Membrane over all terminations and seams within 12" (300 mm) of corner. Terminate top of membrane wall flashing with Bituthene Mastic, Bituthene Liquid Membrane or termination bar

In planters, reflecting pools and fountains, apply membrane on wall and deck to within 1" (25 mm) of corner. Treat the inside corner by installing a 3/4" (19 mm) fillet of Bituthene Liquid Membrane. Extend Bituthene Liquid Membrane at least 3" (75 mm) onto deck membrane and 3" (75 mm) onto wall membrane. Terminate top of wall membrane with Bituthene Liquid Membrane or termination bar.

For wall to wall inside corner, apply 12" (300 mm) membrane strip centered on corner. Press membrane tightly into corner to ensure full contact. Cover the treated corner with a full sheet of membrane to ensure 2-ply coverage.

For outside corners, apply 12" (300 mm) membrane strip centered on corner. Cover the treated corner with a full sheet of membrane to ensure 2-ply coverage.

Joints

Properly seal all joints with waterstop, joint filler and sealant as required. Bituthene membranes are not intended to function as the primary joint seal. Allow sealant to fully cure. Prestrip all slabs and wall cracks over 1/16" (1.6 mm) wide and all construction and control joints with 9" (225 mm) wide membrane.

Drains

At drains, apply a collar of membrane which extends 6" (150 mm) beyond the drain opening. Apply full coverage of membrane over the collar. Cut out the drain opening so the membrane extends under the clamping ring. Place a bead of Bituthene Mastic or Bituthene Liquid Membrane between the membrane and clamping ring. An alternate method is to apply Bituthene Liquid Membrane 0.090" (2.3 mm) thick so that it extends under the clamping ring and overlaps the deck membrane at least 3" (75 mm). Install clamping ring after Bituthene Liquid Membrane has cured.

Application to Horizontal Surfaces

Apply membrane from the low point to the high point so that laps shed water. Overlap all seams at least 2 1/2" (64 mm). Stagger all end laps.

Roll the entire membrane firmly and completely as soon as possible. Use a linoleum roller or standard water-filled garden roller less than 30" (762 mm) wide, weighing a minimum of 75 lb (34 kg) when filled. Cover the face of the roller with a resilient material such as a 1/2" (13 mm) plastic foam or 2 wraps of indoor/outdoor carpet to allow the membrane to fully contact the primed substrate.

Seal all T-joints and membrane terminations with Bituthene Mastic or Bituthene Liquid Membrane at the end of the day.

For required testing of horizontal applications, see Flood Testing.

Application to Vertical Surfaces

Apply membrane in lengths up to 8' (2 m). Overlap all seams 2 1/2" (64 mm) minimum. On higher walls, apply membrane in 2 or more sections with the upper overlapping the lower by at least 2 1/2" (64 mm). Roll membrane with a hand roller.

Terminate the membrane at grade level. Press the membrane firmly to the wall with the butt end of a hardwood tool such as a hammer handle, or secure into a reglet. A termination bar may be used to secure the top termination. Failure to use heavy pressure at terminations can result in a poor seal.

Terminate the membrane at the base of the wall if the bottom of the interior floor slab is at least 6" (150 mm) above the

TABLE 2 PHYSICAL PROPERTIES OF HYDRODUCT DRAINAGE COMPOSITES

Property & Test Method	Hydroduct 220	Hydroduct 660	Hydroduct 200	Hydroduct 225
Drain core				
Thickness, ASTM C366-B	0.433" (11 mm)	0.433" (11 mm)	0.433" (11 mm)	0.433" (11 mm)
Compressive strength, ASTM D1621 (modified)	15,000 psf (732 kN/m²)	21,000 psf (1025 kN/m²)	15,000 psf (732 kN/m²)	21,000 psf (1025 kN/m²)
Flow, 1.0 gradient, 37.9 kPa load, ASTM D4716	16 gal/min/ft (0.003 L/min/m)	16 gal/min/ft (0.003 L/min/m)	16 gal/min/ft (0.003 L/min/m)	16 gal/min/ft (0.003 L/min/m)
Filter fabric				
Apparent opening size, ASTM D4751	100 US sieve (150 micron)	100 US sieve (150 micron)	100 US sieve (150 micron)	40 US sieve (380 micron)
Permittivity, ASTM D4491	150 gal/min/ft² (6110 L/min/m²)	80 gal/min/ft² (3250 L/min/m²)	150 gal/min/ft² (6110 L/min/m²)	100 gal/min/ft² (4074 L/min/m²)
Tensile strength, ASTM D4632	110 lb (485 N)	230 lb (1020 N)	110 lb (485 N)	290 lb (1291 N)
Weight, ASTM D3776	4.0 oz/yd² (136 N/m²)	8.0 oz/yd² (270 g/m²)	4.0 oz/yd² (136 g/m²)	6.0 oz/yd² (203 g/m²)
Mullen Burst, ASTM D3786	215 psi (1480 kPa)	690 psi (4753 kPa)	215 psi (1430 kPa)	480 psi (3304 kPa)
Puncture, ASTM D4833	65 lb (285 N)	162 lb (720 N)	65 lb (285 N)	105 lb (720 N)

footing. Otherwise, use appropriate inside corner detail where the wall and footing meet. Seal all laps within 12" (300 mm) of all corners with a troweling of mastic. Apply a troweled bead of Bituthene Mastic or Bituthene Liquid Membrane to all vertical and horizontal terminations at the end of each workday.

Protrusions and Penetrations

Apply membrane to within 1" (25 mm) of the base of the protrusion. Apply Liquid Membrane 0.090" (2.3 mm) thick around the protrusion. Extend Bituthene Liquid Membrane over the sheet membrane at least 3" (75 mm) and up the protrusion to just below the finished height of the wearing course (for horizontal applications) or for a minimum of 6" (150 mm) for vertical applications.

FLOOD TESTING

Flood test all horizontal applications with a minimum 2" (50 mm) head of water for 24 hours. Mark any leaks and repair when the membrane is dry. Before flood testing, be sure the structure will withstand the dead load of the water. For well-sloped decks, segment the flood test to avoid deep water near drains.

Conduct the flood test 1 day after completing the application of Bituthene waterproofing system. Immediately after flood test is completed, and all necessary repairs made, install Hydroduct 660 Drainage Composite to protect the Bituthene membrane from traffic and other trades.

MEMBRANE REPAIR

Patch tears and inadequately lapped seams with membrane. Slit fishmouths and repair with a patch extending 6" (150 mm) in all directions from the slit and seal edges of the patch with Bituthene Mastic. Inspect the membrane thoroughly before covering and make any repairs.

PROTECTION

Protection of Membrane

Protect Bituthene membranes to avoid damage from other trades' construction materials or backfill. Place protection immediately in temperatures above 77 degrees F (25 degrees C) to reduce potential for blistering.

On horizontal applications, use Hydroduct 660 Drainage Composite for protection. Adhere as necessary to membrane with Hydroduct Tape.

Alternate methods are to use 1/8" or 1/4" (3 or 6 mm) asphaltic hardboard. When reinforced concrete slabs are placed over the membrane, use Hydroduct 660 Drainage Composite or 1/4" (6 mm) hardboard or 2 layers of 1/8" (3 mm) hardboard.

On vertical applications, use Hydroduct 220 Drainage Composite. Adhere Hydroduct 220 to membrane with Hydroduct Tape. Alternative protection methods are to use 1" (25 mm) expanded polystyrene or 1/4" (6 mm) extruded polystyrene that has a minimum compressive strength of 10 lb/in² (69 kN/m²).

If 1/4" (6 mm) extruded polystyrene protection board is used, backfill should not contain sharp rock or aggregate over 2" (50 mm) in diameter. Adhere polystyrene protection board with Hydroduct Tape or compatible adhesive.

Cover any exposed Bituthene membrane with weather resistant flashing such as copper, aluminum or neoprene. Install Hydroduct 660 Drainage Composite or alternate protection the same day the membrane is applied or immediately after a 24 hour flood test. No waiting before backfill or application of wearing course is necessary.

Placement of Backfill

Use care during backfill operation to avoid damage to waterproofing and drainage system. Follow generally accepted practice for backfill and compaction. Backfill should be added in 6" - 12" (150 - 300 mm) lifts. For bermed areas that cannot be fully compacted, a termination bar is recommended across the top termination of the membrane.

In general, backfill or the final wearing course should be placed as soon as possible after installation of the membrane.

Placement of Reinforcing Steel

When placing reinforcing steel over properly protected membrane, use concrete bar supports (dobies) or chairs with plastic tips or rolled feet to prevent damage from sharp edges. Use special care when using wire mesh, especially if the mesh is curled.

6. Availability & Cost

AVAILABILITY

A network of distributors carries Bituthene waterproofing systems and Hydroduct drainage composite products for delivery to project sites.

COST

Bituthene waterproofing systems and Hydroduct drainage composites are competitively priced. For specific information, contact a local distributor or a Grace Construction Products representative.

7. Warranty

Five year material warranties covering Bituthene and Hydroduct products are available upon request. Contact the manufacturer for further information.

8. Maintenance

None required, if installed in accordance with manufacturer's recommendations.

9. Technical Services

Support is provided by full-time, technically trained Grace representatives and technical service personnel, backed by a central research and development staff.

10. Filing Systems

- Reed First Source
- Additional product information is available from the manufacturer.

FLORPRUFE® 120

Integrally bonded vapor protection for slabs on grade

Description

Florprufe® 120 is a high perfor-mance vapor barrier with Grace's Advanced Bond Technology™ that forms a unique seal to the underside of concrete floor slabs.

Comprising a highly durable polyolefin sheet and a specially developed, non-tacky adhesive coating, Florprufe 120 seals to liquid concrete to provide integrally bonded vapor protection.

Florprufe exceeds ASTM E1745 Class A rating.

Advantages

- Forms a powerful integral seal to the underside of concrete slabs
- Protects valuable floor finishes such as wood, tiles, carpet and resilient flooring from damage by vapor transmission
- Direct contact with the slab complies with the latest industry recommendations
- Remains sealed to the slab even in cases of ground settlement
- Ultra low vapor permeability
- Durable, chemical resistant polyolefin sheet
- Lightweight, easy to apply, kick out rolls
- Simple lap forming with mechanical fixings or tape

Use

Florprufe 120 is engineered for use below slabs on grade with moisture-impermeable or moisture-sensitive floor finishes that require the highest level of vapor protection.

[1] ACI 302.1R-96

Product Advantages

- Forms a powerful integral seal
- Protects valuable floor finishes
- Ultra low vapor permeability
- Durable, chemical resistant
- Lightweight and easy to apply

Florprufe complies with the latest recommendations of ACI Committees 302 and 360, i.e. for slabs with vapor sensitive coverings, the location of the vapor barrier should always be in direct contact with the slab1.

The membrane is loose laid onto the prepared sub-base, forming overlaps that can be either mechanically secured or taped. The unique bond of Florprufe to concrete provides continuity of vapor protection at laps. Alternatively, if a taped system is preferred, self-adhered Preprufe® Tape can be used to overband the laps.

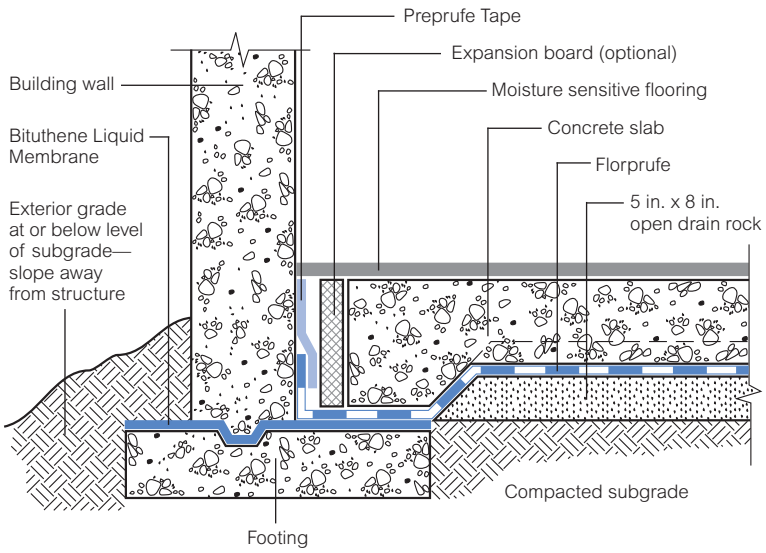
Slab reinforcement and concrete can be placed immediately. Once the concrete is poured, an integral bond develops between the concrete and membrane.

Installation

Health & Safety

Refer to relevant Material Safety Data Sheet. Complete rolls should be handled by 2 persons.

Florprufe 120 can be applied at temperatures of 25ºF (-4ºC) or above. Membrane installation is unaffected by wet weather. Installation and detailing of Florprufe 120 are generally in accordance with ASTM E1643-98.



Typical Assembly

Drawings are for illustration purposes only.
Please refer to www.graceconstruction.com for specific application details.

Supply

Florprufe 120	
Supplied in rolls	4 ft x 115 ft (1.2 m x 35 m)
Roll area	460 ft² (42 m²)
Roll weight	70 lbs (32 kg) approx.
Ancillary Products	
Preprufe Tape is packaged in cartons containing 4 rolls that are 4 in. x 49 ft (100 mm x 15 m).	
Bituthene Liquid Membrane is supplied in 1.5 gal (5.7 L) pails.	

Physical Properties: Exceeds ASTM E1745 Class A rating

Property	Typical Value	Test Method
Color	White	
Thickness (nominal)	0.021 in. (0.5 mm)	ASTM D3767—method A
Water vapor permeance	0.03 perms	ASTM E96—method B1
Tensile strength	65 lbs/in.	ASTM E1541
Elongation	300%	ASTM D412
Puncture resistance	3300 gms	ASTM D17091
Peel adhesion to concrete	>4 lbs/in.	ASTM D903

1. Test methods that comprise ASTM E1745 standard for vapor retarders

Prepare substrate in accordance with ACI 302.1R Section 4.1. Install Florprufe 120 over the leveled and compacted base. Place the membrane with the smooth side down and the plastic release liner side up facing towards the concrete slab. Remove and discard plastic release liner. End laps should be staggered to avoid a build up of layers. Succeeding sheets should be accurately positioned to overlap the previous sheet 2 in. (50 mm) along the marked lap line.

Laps

1. Mechanical fastening method—
To prevent the membrane from moving and gaps opening, the laps should be fastened together at 39 in. (1.0 m) maximum centers. Fix through the center of the lap area using 0.5 in. (12 mm) long washer-head, self-tapping, galvanized screws (or similar) and allowing the head of the screw to bed into the adhesive compound to self-seal. It is not necessary to fix the membrane to the substrate, only to itself. Ensure the membrane lays flat and no openings occur. (See Figure 1.) Additional fastening may be required at corners, details, etc. Continuity is achieved once the slab is poured and the bond to concrete develops.

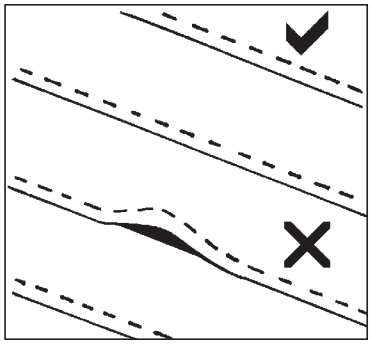


Figure 1

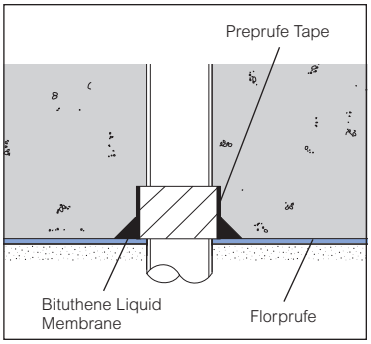


Figure 2

OR

2. Taped lap method—
For additional security use Grace Preprufe Tape to secure and seal the overlaps. Overband the lap with the 4 in. (100 mm) wide Preprufe Tape, using the lap line for alignment. Remove plastic release liner to ensure bond to concrete.

Penetrations

Mix and apply Bituthene Liquid Membrane detailing compound to seal around penetrations such as drainage pipes, etc. (See Figure 2 and refer to the Bituthene Liquid Membrane data sheet, BIT-230.)

Concrete Placement

Place concrete within 30 days. Inspect membrane and repair any damage with patches of Preprufe Tape. Ensure all liner is removed from membrane and tape before concreting.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

PF-001G Printed in U.S.A. 3/07 FA/LI/1M

GRACE

GRACE
Construction Products

1. Product Name

Florprufe® 120 Vapor Barrier

2. Manufacturer

Grace Construction Products
62 Whittemore Avenue
Cambridge, MA 02140
(866) 333-3SBM (3726)
Fax: (617) 498-4311
www.graceconstruction.com

3. Product Description

BASIC USE

Florprufe® 120 is a high performance vapor barrier with Grace's Advanced Bond Technology™ that forms a unique seal to the underside of concrete floor slabs.

Florprufe 120 is engineered for use below slabs on grade with moisture impermeable or moisture sensitive floor finishes that require the highest level of vapor protection.

The membrane is loose laid onto the prepared sub-base, forming overlaps that can be either mechanically secured or taped. The unique bond of Florprufe to concrete provides continuity of vapor protection at laps.

COMPOSITION & MATERIALS

Comprising a highly durable polyolefin sheet and a specially developed, nontacky adhesive coating, Florprufe 120 seals to liquid concrete to provide integrally bonded vapor protection.

SIZES

- Rolls - 4' x 115' (1.2 x 35 m)
- Roll area - 460 ft² (42 m²)
- Roll weight - Approximately 70 lb (32 kg)

ACCESSORY PRODUCTS

- Preprufe® Tape - Packaged in cartons containing 4 rolls that are 100 mm x 15 m each
- Bituthene® Liquid Membrane detailing compound - Supplied in 1.5 gal (5.7 L) and 4 gal (15.2 L) pails

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D1709 Standard Test Methods for Impact Resistance of Plastic Film by the Free-Falling Dart Method
- ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover
- ASTM E1643 Standard Practice for Installation of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs
- ASTM E1745 Standard Specification for Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs

Immediately ready for next construction phase

APPROVALS

American Concrete Institute (ACI) - Florprufe complies with the latest recommendations of ACI Committees 302 and 360, i.e., for slabs with vapor sensitive coverings, the location of the vapor barrier should always be in direct contact with the slab.

PHYSICAL PROPERTIES

Florprufe 120 conforms to the physical properties shown in Table 1.

5. Installation

SAFETY

Refer to relevant Material Safety Data Sheet (MSDS). Complete rolls should be handled by 2 persons. Florprufe 120 can be applied at tem-

TABLE 1 PHYSICAL PROPERTIES OF FLORPRUFE 120

Property	Value
Color	White
Thickness, nominal, ASTM D3767, Method A	0.021" (0.5 mm)
Water vapor permeance, ASTM E96, Method B [1]	0.03 perm (1.72 ng/(Pa x s x m²))
Tensile strength, ASTM E154 [1]	65 lb/in (11,400 N/m)
Elongation, ASTM D412	300%
Puncture resistance, ASTM D1709 [1]	3300 gms
Peel adhesion to concrete, ASTM D903	> 4 lb/in (700 N/m)

[1] Test methods that comprise ASTM E1745 standard for vapor retarders. Florprufe 120 exceeds the ASTM E1745 Class A rating.

Easy installation

peratures of 25 degrees F (-4 degrees C) or above. Membrane installation is unaffected by wet weather. Installation and detailing of Florprufe 120 are generally in accordance with ASTM E1643.

PREPARATORY WORK

Prepare substrate in accordance with ACI 302.1R Section 4.1. Install Florprufe 120 over the leveled and compacted base. Place the membrane with the smooth side down and the plastic liner side up facing toward the concrete slab. Remove and discard plastic liner. End laps should be staggered to avoid a buildup of layers. Succeeding sheets should be accurately positioned to overlap the previous sheet 2" (50 mm) along the marked lap line.

APPLICATION

Laps

Mechanical Fastening Method

To prevent the membrane from moving and gaps opening, the laps should be fastened together at 39" (1 m) maximum centers. Fix through the center of the lap area using 0.5" (12 mm) long washer-head self-tapping galvanized screws or similar allowing the head of the screw to bed into the adhesive compound to self-seal. It is not necessary to fix the membrane to the substrate, only to itself. Ensure the membrane lies flat and no openings occur. Alternatively, laps may be fastened by placing a 4" (100 mm) strip of Preprufe Tape 39" (1 m) on center. Additional fastening may be required at corners, details, etc. Continuity is achieved once the slab is poured and the bond to concrete develops.

Taped Lap Method

For additional security, use Grace Preprufe Tape to secure and seal the overlaps. Overband the lap with the 4" (100 mm) wide Preprufe Tape, using the lap line for alignment. Remove plastic release liner to ensure bond to concrete.

Penetrations

Mix and apply Bituthene Liquid Membrane detailing compound to seal around penetrations such as drainage pipes, etc.

Concrete Placement

Place concrete within 30 days. Inspect membrane and repair any damage with patches of Preprufe Tape. Ensure all liner is removed from membrane and tape before concreting.

6. Availability & Cost

AVAILABILITY

Contact manufacturer for information on local availability.

COST

Budget installed cost information may be obtained from the manufacturer.

7. Warranty

Contact manufacturer for warranty information.

8. Maintenance

When installed in accordance with manufacturer's recommendations, Florprufe 120 will not require maintenance.

9. Technical Services

Support is provided by full-time technically trained Grace field sales representatives and technical service personnel, backed by a central research and development technical services staff.

10. Filing Systems

- Sweet's Catalog Files
- Additional information is available from the manufacturer.

PF-004E Printed in U.S.A. 07/07 AFS/LI/4M

Appendix H

Sample Non-Hazardous Waste Manifest

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1.					
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year